SELECTED REFERENCES FOR THE UINTA BASIN, UTAH

Listed by Author

Craig D. Morgan Utah Geological Survey

The following selected reference on the geology of the Uinta Basin is not intended to be a complete bibliography. Craig Morgan who compiled the references has not read every reference cited. Many of the references cited were taken from the reference lists of published articles and were included because the citing or reference title lead me to believe the article was applicable. This document has not be reviewed or approved for publication by the Utah Geological Survey.

Last update 03/19/02

- Abass, H.H., 1995, Oriented perforating helps ensure successful well completions: Oil and Gas Journal v. 93, no. 41, p. 80-85.
- Abbott, Ward, 1957, Tertiary of the Uinta Basin *in* Seal, O.G., editor, Guidebook to the geology of the Uinta Basin: Intermountain Association of Petroleum Geologists 8th Annual Field Conference Guidebook, p. 102-109.
- Aguilera, Roberto, 1980, Naturally fractured reservoirs: PennWell Publishing Company, Tulsa, Oklahoma, 703 p.
- Allen, P.A., and Collinson, J.D., 1986, Lakes, *in* Reading, H.G., editor, Sedimentary environments and facies, 2nd edition: Oxford, United Kingdom, Blackwell Scientific Publications, p. 63-94.
- Allison, M.L., 1995, Increased oil production and reserves from improved completion techniques in the Bluebell field, Uinta Basin, Utah: Annual Report for the Period September 30, 1993 to September 30, 1994, DOE/BC/14953-10 (DE95000171), 123 p.
- Allison, M.L., and Morgan, C.D., 1995, Increased oil production and reserves from improved completion techniques in the Bluebell field, Uinta Basin, Utah: Annual Report for the Period September 30, 1994 to September 30, 1995, DOE/BC/14953-14 (DE96001227), 118 p.
- Anadon, P.L., Cabrera, and Julia, R., 1988, Anoxic-oxic cyclical sedimentation in the Miocene Rubielos De Mora Basin, Spain, *in* Fleet, A.J., Kelts, K., and Talbot, M.R., editors, Lacustrine petroleum source rocks: Geological Society Special Publication 40, p. 353-367.
- Anadon, P.L., Cabrera, L., and Kelts, K., editors, 1991, Lacustrine facies analysis: Blackweller Publication, International Association of Sedimentologists Special Publication 13, p.
- Anders, D.E., 1990, Thermal maturation in the Uinta Basin, Utah, *in* Carter, L.M., editor, Sixth V. E. McKelvey forum on mineral and energy resources, USGS Research on Energy Resources 1990 Program and Abstracts: U.S. Geological Survey Circular 1060, p. 2-3.
- Anders, D.E., and Gerrild, P.M., 1984, Hydrocarbon generation in lacustrine rocks of Tertiary age, Uinta Basin, Utah organic carbon, pyrolysis yield, and light hydrocarbons, *in* Woodward, Jane, Meissner, F.F., and Clayton, J.L., editors, Hydrocarbon source rocks of the greater Rocky Mountain region: Rocky Mountain Association of Geologists Symposium Guidebook, p. 513-529.

- Anders, D.E., Palacas, J.G., and Johnson, R.C., 1992, Thermal maturity of rocks and hydrocarbon deposits, Uinta Basin, Utah, *in* Fouch, T.D., Nuccio, V.F., and Chidsey, T.C., Jr., editors, hydrocarbon and mineral resources of the Uinta Basin, Utah and Colorado: Utah Geological Association Publication 20, p. 53-76.
- Anders, D. E., and Robinson, W. E., 1973, Geochemical aspects of the saturated hydrocarbon constituents of Green River oil shale--Colorado no. 1 core: U.S. Bureau of Mines Report of Investigations 7737, 28 p.
- Andersen, D.W., and Picard, M.D., 1974, Evolution of synorogenic clastic deposits in the intermontane Uinta Basin of Utah, *in* Dickinson, W.R., editor, Tectonics and sedimentation: Society of Economic Paleontologists and Mineralogists Special Publication 22, p. 167-189.
- Asadi, Mahmound, and Preston, Floyd, 1994, Characterization of the jet perforation crushed zone by SEM and image analysis: SPE Formation Evaluation v. 9, no. 2, p. 135-139.
- Baer, J.L., 1967, Paleoenvironment of cyclic sediments in the lower Green River Formation in central Utah (abstract): Geological Society of America Special Paper 115, p. 10-11.
- ---1969, Paleoecology of cyclic sediments of the lower Green River Formation, central Utah: Brigham Young University Geology Studies, v. 16, pt. 1, p. 3-95.
- ---1987, Green River Formation (Eocene) central Utah; a classic example of fluvial-lacustrine environments, *in* Beus, S.S., editor, The Decade of North American Geology, v. 6: Geological Society America, Boulder, Colorado, p. 247-250.
- Baker, D.A., and Lucas, P.T., 1972, Major discovery in Utah strat trap production may cover over 280 square miles: World Oil, v. 174, no. 5, p. 66-68.
- Bakhshandeh, F., 1976, A study of the aromatic fraction of oil shales and other carbonaceous deposits from the Green River Formation in Utah: MS Thesis Colorado School of Mines, Boulder.
- Balogh, B., Wilson, D. M., and Burlingame, A. L., 1971, Carbon-13 NMR study of the stereochemistry of steranes from oil shale of the Green River Formation (Eocene): Nature, v. 233, no. 5317, p. 261-263.
- Balogh, B., Wilson, D. M., Christiansen, P., and Burlingame, A. L., 1973, 17a (H) Hopane identified in oil shale of the Green River Formation (Eocene) by Carbon-13 NMR: Nature, v. 242, no. 5400, p. 603-605.

- Banks, E.Y., 1981, Petrographic characteristics and provenance of fluvial sandstone, Sunnyside oil impregnated sandstone deposit, Carbon County, Utah: MS thesis, Salt Lake City, University of Utah, 112 p.
- Barb, C.F., 1945, The origin of the hydrocarbons in the Uinta Basin: Mines Magazine, v. 35, no. 10, p. 555-557.
- Barb, C.F., and Ball, J.O., 1944, Hydrocarbons of the Uinta Basin of Utah and Colorado: Colorado School Mines Quarterly, v. 39, no. 1, 115 p.
- Bardsley, S.R., 1962, Evaluating oil shale by log analysis: Utah University M.S. thesis.
- Bardsley, S.R., and Algermissen, S.T., 1963, Evaluating oil shale by log analysis: Journal of Petroleum Technology, v. 15, no. 1, p. 81-84. [Also Colorado School Mines Quarterly, v. 58, no. 4, p. 178-184, 1963, and American Institute of Mining, Metallurgical and Petroleum Engineers. Transactions 228, p. 81-84, 1963.]
- Bass, N.W., 1964, Relationship of crude oils to depositional environment of source rocks in the Uinta Basin, *in* Sabatka, E.F., editor, Guidebook to the geology and mineral resources of the Uinta Basin: Intermountain Association of Petroleum Geologists 13th Annual Field Conference, p. 201-206.
- Baud, Wayne, and Eastlund, Bernard, 1994, Electric tubing heater improves well production in CO₂ flood: Oil & Gas Journal, v. 92, no. 16, p. 60-61.
- Bereskin, S.R., and Morgan, C.D., 2001, Fluvial-lacustrine oil reservoirs in the middle member of the Eocene Green River Formation, south-central, Uinta Basin, Utah: American Association of Petroleum Geologists Annual Conventional program with abstracts p. A16-A17.
- Billo, S. M., 1980, Oil shale and its relation to petroleum and other fuels: Oil and Gas Journal, v. 78, no. 51, p. 115-118.
- Blackett, R.E., compiler, 1996, Tar-sand resources of the Uinta Basin, Utah-a catalog of deposits: Utah Geological Survey Open-File Report 335, 122 p.
- Blair, T.C., and Bilodeau, W.L., 1998, Development of tectonic cyclothems in rift, pull-apart, and foreland basins-sedimentary response to episodic tectonism: Geology v. 16, p. 517-520.
- Bleakley, W.B., 1973, How Shell solves Uinta Basin problems: Oil and Gas Journal, v. 71, no. 6, p. 45-50.

- Boardman, C.R., and Knutson, C.F., 1980, Reservoir characteristics in Uinta Basin gas wells: U.S. Department of Energy Report DOE/ET/11399-1, 89 p., 26 tables, 36 figures.
- ---1981, Uinta Basin lenticular sandstone reservoir characteristics: SPE/DOE Paper 9849, SPE/DOE Low Permeability Symposium, p. 217-222.
- Bodell, J.M., and Chapman, D.S., 1982, Heat flow in the north-central Colorado Plateau: Journal of Geophysical Research, v. 87, p. 2869-2884.
- Bohacs, K.M., Carroll, A.R., Neal, J.K., and Mankiewicz, P.J., 2000, Lake-basin type, source potential, and hydrocarbon character: an integrated-sequence-stratigraphic-geochemical framework, *in* Gierlowski-Kordesch, E.H., and Kelts, K.R., editors, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46, p. 3-34.
- Bohacs, K.M., and Miskell-Gerhardt, Kimberly, 1998, Well-log expression of lake strata-controls of lake-basin type and provenance, contrasts with marine strata: American Association of Petroleum Geologists Annual Convention Abstract CD ROM.
- Bohacs, K.M., Neal, J.E., Carroll, A.R., and Reynolds, D.J., 2000, Lakes are not small oceans! sequence stratigraphy in lacustrine basins: American Association of Petroleum Geologists Annual Conventional program with abstracts p. A14.
- Borer, J.M., 2001, Packaging an outcrop analog an example from the lacustrine Green River Formation, northeast Uinta Basin: American Association of Petroleum Geologists Annual Conventional program with abstracts p. A22.
- Borer, J.M., 1998, High-resolution stratigraphy of the Lower Green River Formation at Raven Ridge and Red Wash field, NE Uinta Basin-stratigraphic control on petroleum subsystems: American Association of Petroleum Geologists Annual Convention Abstracts CD Rom.
- Borer, J.M., and McPherson, M.L., 1996, High-resolution stratigraphy of the Green River Formation, NE Uinta Basin-Implications for Red Wash Reservoir compartmentalization: American Association of Petroleum Geologists Program with Abstracts, p. A18.
- Boyer, B.W., 1982, Green River laminites does the playa-lake model really invalidate the stratified-lake model?: Geology, v. 10, p. 321-324.
- Bradley, W.H., 1925, A contribution to the origin of the Green River Formation and its oil shale: American Association of Petroleum Geologists Bulletin, v. 9, p. 247-262.

- ---1929a, The varves and climate of the Green River epoch: U.S. Geological Survey Professional Paper 158-E, p. 87-110.
- ---1929b, Algae reefs and oolites of the Green River Formation: U.S. Geological Survey Professional Paper 154-G, p. 203-223 [1930].
- ---1930, The occurrence and origin of analcite and meerschaum beds in the Green River Formation of Utah, Colorado, Wyoming: U.S. Geological Survey Professional Paper 158-A, p. 1-7.
- ---1931, Origin and microfossils of the oil shale of the Green River Formation of Colorado and Utah: U.S. Geological Survey Professional Paper 168, 58 p.
- ---1948, Limnology and the Eocene lakes of the Rocky Mountain region: Geological Society of America Bulletin v. 59, p. 635-648.
- ---1964, Geology of the Green River Formation and associated Eocene rocks in southwestern Wyoming and adjacent parts of Colorado and Utah: U.S. Geological Survey Professional Paper 496-A, 86 p.
- ---1970, Green River oil shale concept of origin extended, an interdisciplinary problem being attacked from both ends: Geological Society of America Bulletin, v. 81, p. 985-1000.
- Bradley, W.H., and Eugster, H.P., 1969, Geochemistry and paleolimnology of the trona deposits and associated authigenic minerals of the Green River Formation of Wyoming: U.S. Geological Survey Professional Paper 496-B, 71 p.
- Bredehoeft, J.D., Wesley, J.B., and Fouch, T.D., 1994, Simulations of the origin of fluid pressure, fracture generation, and the movement of fluids in the Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 78, no. 11, p. 1729-1747.
- Brigaud, Frederic, Chapman, D.S., and Douaran, S.L., 1990, Estimating thermal conductivity in sedimentary basins using lithologic data and geophysical well logs: American Association of Petroleum Geologists Bulletin, v. 74, no. 9, p. 1459-1477.
- Brobst, D. A., and Tucker, J. D., 1973, X-ray mineralogy of the Parachute Creek Member, Green River Formation in the northern Piceance Creek basin, Colorado: U.S. Geological Survey Professional Paper 803, 53 p.
- Brown, R.W., 1929, Additions to the flora of the Green River Formation: U.S. Geological Survey Professional Paper 154-J, p. 279-292.

- ---1934, The recognizable species of the Green River flora: U.S. Geological Survey Professional Paper 185-C, p. 45-77.
- Bruce, P.L., Hunter, J.L., Kuhlman, R.D., and Weinheimer, D.D., 1992, New fracturing techniques reduce tight gas sand completion problems: Oil and Gas Journal, Oct 12, p. 72-76.
- Bruhn, R.L., Picard, M.D., and Beck, S.L., 1983, Mesozoic and early Tertiary structure and sedimentology of the central Wasatch Mountains, Uinta Mountains and Uinta Basin: Utah Geological and Mineral Survey Special Studies 59, p. 63-105.
- Bruhn, R.L., Picard, M.D., and Isby, J.S., 1986, Tectonics and sedimentology of the Uinta arch, western Uinta Mountains, and Uinta Basin, *in* Peterson, J.A., editor, Paleotectonics and sedimentation in Rocky Mountain region, United States: American Association of Petroleum Geologists Memoir 32, p. 333-352.
- Bryant, Bruce, Naeser, C.W., Marvin, R.F., and Mehnert, H.H., 1989, Upper Cretaceous and Paleogene sedimentary rocks and isotopic ages of Paleogene tuffs, Uinta Basin, Utah: U.S. Geological Survey Bulletin 1787-J, 22 p.
- Buchheim, H.P., and Eugster, H.P., 1998, Eocene Fossil Lake-the Green River Formation of Fossil Basin, southwestern Wyoming, *in* Pitman, J.K., and Carroll, A.R., editors, Modern and ancient lakes new problems and perspectives: Utah Geological Association Guidebook 26, p. 191-207.
- Buckley, J.S., 1993, Asphaltene precipitation and crude oil wetting: 68th annual technical conference and exhibition of the Society of Petroleum Engineers Paper 26642, p. 729-741.
- Buller, Dan, 1992, Locate thin, low-resistivity channel sand pay in old wells: World Oil, May 1992, p. 65-70.
- Bunger, J. W., and Wells, H. M., 1981, Economic evaluation of oil shale and tar sands located in the State of Utah: Utah Engineering Experiment Station Report VI, no. 6.
- Burnham, A.K., and Singleton, M.F., 1983, High-pressure pyrolysis of Green River oil shale, *in* Miknis, F.P., editor, Geochemistry and chemistry of oil shale: American Chemical Society Symposium Series 230, Washington, D.C., p. 335-351.
- Burnham, A.K., Clarkson, J.E., Singleton, M.F., Wong, C.M., and Crawford, R.W., 1982, Biological markers from Green River kerogen decomposition: Geochimica et Cosmochimica Acta, v. 46, p. 1243-1251.

- Burroughs, E. H., and Gavin, M. J., 1921, Selected bibliography on oil shale: U.S. Bureau of Mines Report of Investigations 2277, 66 p.
- Byrd, W.D., 2d, 1967, Geology of the bituminous sandstone deposits, southeastern Uinta Basin, Uintah and Grand Counties, Utah: Utah University unpublished M.S. thesis, 43 p.
- Byrd, W.D., 2d, 1970, P.R. Spring oil-impregnated sandstone deposit, Uintah and Grand Counties, Utah: Utah Geological and Mineralogical Survey Special Studies 31, 34 p.
- Calkin, W.S., 1997, Lacustrine delta, Sunnyside tar sands, northeastern Utah: American Association of Petroleum Geologists Bulletin v. 81, no. 7, p. 1220.
- Cameron, R.J., 1969, A comparative study of oil shale, tar sands and coal as sources of oil: Journal of Petroleum Technology, v. 21, no. 3, p. 253.
- Campbell, J.A., 1975, Structural geology and petroleum potential of the south flank of the Uinta Mountain uplift, northeastern Utah: Utah Geology, v. 2, no. 2, p. 129-132.
- Carey, G. A., and Roberts, I. C., 1949, Dissertation on the history, occurrence, mining, and economics of gilsonite: University of Utah unpublished B.S. thesis, 89 p.
- Carnahan, N.F., 1989, Paraffin deposition in petroleum production: Journal of Petroleum Technology v. n. 10, p. 1024-1025.
- Carrara, P.E., 1980, Surficial geologic map of the Vernal 1^o X 2^o quadrangle, Colorado and Utah: U.S. Geological Survey Miscellaneous Investigations Map I-1204, scale 1:250,000.
- Carroll, A.R., and Bohacs, K.M., 2001, Lake-type controls on petroleum source rock potential in non-marine basins: American Association of Petroleum Geologists Bulletin v 85, no 6, p. 1033-1053.
- Carroll, A.R., and Bohacs, K.M., 1999, Stratigraphic classification of ancient lakes: balancing tectonic and climatic controls: Geology, v. 27, no. 2, p. 99-102.
- Cashion, W.B., 1957, Stratigraphic relations and oil shale of the Green River Formation in the eastern Uinta Basin, *in* Seal, O.G., editor, Guidebook to the geology of the Uinta Basin: Intermountain Association of Petroleum Geologists 8th Annual Field Conference Guidebook, p. 131-135.
- ---1959, Geology and oil-shale resources of Naval Oil-Shale Reserve No. 2, Uintah and Carbon Counties, Utah: U.S. Geological Survey Bulletin 1072-O, p. 753-793.

- ---1961, Potential oil-shale reserves of the Green River Formation in the southeastern Uinta Basin, Utah and Colorado, in Short papers in the geologic and hydrologic sciences: U.S. Geological Survey Professional Paper 424-C, p. C22-C24.
- ---1964, The distribution and quality of oil shale in the Green River Formation of the Uinta Basin, Utah-Colorado, in Geological Survey research 1964: U.S. Geological Survey Professional Paper 501-D, p. D86-D89.
- ---1967, Geology and fuel resources of the Green River Formation, southeastern Uinta Basin, Utah and Colorado: U.S. Geological Survey Professional Paper 548, 48 p.
- ---1968, Maps showing structure, overburden, and thickness for a rich oil shale sequence in the Eocene Green River Formation, east-central Uinta Basin, Utah and Colorado: U.S. Geological Survey Open-File Report, 1 p., 4 maps, scale 1:250:000.
- —1973, Geologic and structure map of the Grand Junction quadrangle, Colorado and Utah: U. S. Geological Survey Miscellaneous Investigations Series Map I-736, 1:250,000.
- ---1981, Results of core drilling in the Mahogany zone and some adjacent beds of Green River Formation, Winter Ridge area, southeastern Uinta Basin Utah: U.S. Geological Survey Open-File Report OF 81-0175, 27 p.
- ---1983, Descriptions of four stratigraphic sections of parts of the Green River and Uinta Formations in the eastern Uinta Basin, Uintah County, Utah, and Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report, OF 83-0017, 44 p.
- ---1986, Geologic map of the Bonanza quadrangle, Uintah County, Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1865, scale 1:24,000.
- —1994, Geologic map of the Nutters Hole quadrangle, Uintah and Carbon Counties, Utah: U. S. Geological Survey Miscellaneous Field Studies Map MF-2250, 1:24,000.
- Cashion, W.B. and Brown, J.H., Jr., 1956, Geology of the Bonanza-Dragon Trail oil shale area, Uintah County, Utah, and Rio Blanco County, Colorado: U.S. Geological Survey Oil and Gas Investigation Map OM-153.
- Cashion, W.B., and Dixon, G.H., 1976, Isopach map and cross section of the Mahogany zone of the Green River Formation derived principally from geophysical well logs, eastern Uinta Basin, Utah and Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-797, scale 1:250,000.

- Cashion, W.B., and Donnell, J.R., 1972, Chart showing correlation of selected key units in the organic-rich sequence of Green River Formation, Piceance Creek Basin, Colorado, and Uinta Basin, Utah: U. S. Geological Survey Oil and Gas Investigation Chart OC-65.
- ---1974, Revision of nomenclature of the upper part of the Green River Formation, Piceance Creek Basin, Colorado, and eastern Uinta Basin, Utah: U.S. Geological Survey Bulletin 1394-G, 9 p.
- Castle, J.W., 1991, Sedimentation in Eocene Lake Uinta (lower Green River Formation), northeastern Uinta Basin, Utah, *in* Katz, B.J., editor, Lacustrine basin exploration-case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p. 243-263.
- Catacosinos, P.A., 1968, Upper Cretaceous-lower Tertiary relations west of Raven Ridge, Uintah County, Utah: American Association of Petroleum Geologists Bulletin, v. 52, no. 2, p. 343-348.
- CER Corporation, 1992a, Analysis of natural and induced fractures in the Barnett Shale: Gas Research Institute Topical Report, February, GRI contract 5091-212-2242, 17 p.
- ---1992b, Geological, petrophysical and engineering analysis of the Barnett Shale: Gas Research Institute Topical Report, November, GRI contract 5091-212-2242, 61 p.
- Chapman, D.S., Keho, T.H., Bauer, M.S., and Picard, M.D., 1984, Heat flow in the Uinta Basin determined from bottom hole temperature (BHT) data: Geophysics, v. 49, p. 453-466.
- Changlin, Wu, and Nummedal, Dag, 1995, Cyclostratigraphy of the Tertiary Lacustrine Sediments in the Nampu Oil Field of the Bohai Basin, China (abstract): American Association of Petroleum Geologists 1995 Annual Convention Program with Abstracts, p. 106A.
- Chatfield, John, 1965, Petroleum geology of the greater Red Wash are, Uintah County, Utah: The Mountain Geologist, v. 2, no. 3, p. 115-121.
- ---1972, Case history of Red Wash field, Uintah County, Utah, *in* King, R.E., editor, Stratigraphic oil and gas fields-classification, exploration methods, and case histories: American Association of Petroleum Geologists Memoir 50, p. 243-264.
- Chidsey, T.C., Jr., 1993a, Uinta Basin [UN] plays overview, *in* Robertson, J.M., and Broadhead, R.F., project directors, Atlas of major Rocky Mountain gas reservoirs: New Mexico Bureau of Mines and Mineral Resources, p. 83.

- ---1993b, Green River Formation, *in* Robertson, J.M., and Broadhead, R.F., project directors, Atlas of major Rocky Mountain gas reservoirs: New Mexico Bureau of Mines and Mineral Resources, p. 85-86.
- ---1993c, Wasatch Formation, *in* Robertson, J.M., and Broadhead, R.F., project directors, Atlas of major Rocky Mountain gas reservoirs: New Mexico Bureau of Mines and Mineral Resources, p. 87-88.
- Chidsey, T.C., Jr., and Laine, M.D., 1992, The fractured Green River and Wasatch Formations of the Uinta Basin, Utah targets for horizontal drilling, *in* Fouch, T.D., Nuccio, V.F., and Chidsey, T.C., Jr., editors, Hydrocarbon and mineral resources of the Uinta Basin, Utah and Colorado: Utah Geological Association Publication 20, p. 123-134.
- Clair, J.R., 1952, Ostracod zones as guides to the "fractured reservoir section" of the lower Green River Formation, Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 36, no. 5, p. 921.
- Clark, J.A., 1983, The prediction of hydraulic fracture azimuth through geological, core, and analytical studies: Society of Petroleum Engineers/ U. S. Department of Energy Symposium on low permeability gas reservoirs, Society of Petroleum Engineers Paper 1161, p. 107-114.
- Cohen, A., 1989, Facies relationships and sedimentation in large rift lakes and implications for hydrocarbon exploration-Example from lakes Turkana and Tanganyika: Paleogeography, Palaeoclimatology, Paleoecology, v. 70, p.65-80.
- Cohen, A., Ferguson, D.S., P.M., Hubler, S.L., and Sims, K.W., 1986, The distribution of coarse-grained sediments in modern Lake Turkana, Kenya-implications for clastic sedimentation models of rift lakes, *in* Frostick, L.E., Renaut, R.W., Reid, I., and Tiercelin, J.J., editors, Sedimentation in the African rifts: Geological Society Special Publication 25, p. 127-139.
- Cohen, A., and Thouin, C., 1987, Nearshore carbonate deposits in Lake Tanganyika: Geology, v. 15, p. 414-418.
- Colburn, J.A., Bereskin, S.R., McGinley, D.C., and Schiller, D.M., 1985, Lower Green River Formation in the Pleasant Valley producing area, Duchesne and Uintah Counties, Utah, *in* Picard, M.D., editor, Geology and Energy Resources, Uinta Basin, Utah: Utah Geological Association Publication 12, p. 177-186.

- Cole, R.D., 1984, Sedimentological, mineralogical and geochemical definition of oil-shale facies in the lower Parachute Creek Member of the Green River Formation, Colorado, *in* Gary, J.H., editor, Proceedings of the 17th Oil Shale Symposium: Golden, Colorado, Colorado School of Mines Press, p. 143-158.
- Cole, R.D., 1998, Possible Milankovitch cycles in the lower Parachute Creek Member of Green River Formation (Eocene), north-central Piceance Creek Basin, Colorado an analysis, *in* Pitman, J.K., and Carroll, A.R., editors, Modern and ancient lakes new problems and perspectives: Utah Geological Association Guidebook 26, p. 233-259.
- Cole, R.D., and Picard, M.D., 1975, Primary and secondary sedimentary structures in oil shale and other fine-grained rocks, Green River Formation (Eocene), Utah and Colorado: Utah Geology, v. 2, n. 1, p. 49-67.
- ---1978, Comparative mineralogy of nearshore and offshore lacustrine lithofacies, Parachute Creek Member of the Green River Formation, Piceance Creek basin, Colorado, and eastern Uinta Basin, Utah: Geological Society of America Bulletin, v. 89, p. 1441-1454.
- ---1981, Sulfur-isotope variations in marginal-lacustrine rocks of the Green River Formation, Colorado and Utah: Society of Economic Paleontologists and Mineralogists Special Publication, v. 31, p. 261-275.
- Collister, J.W., and Hayes, J.M., 1991, A preliminary study of the carbon and nitrogen isotopic biogeochemistry of lacustrine sedimentary rocks from the Green River Formation, Wyoming, Utah, and Colorado, *in* Tuttle, M.L., editor, Geochemical, biogeochemical, and sedimentological studies of the Green River Formation, Wyoming, Utah, and Colorado: U.S. Geological Survey Bulletin 1973-C, p. C1-C16.
- Collister, J.W., Summons, R.E., Lichtfouse, E., and Hayes, J.M., 1992, An isotope biogeochemical study of the Green River oil shale, *in* Eckardt, C.B., editor, Advances in organic geochemistry 1991: New York, Pergamon Press, p. 265-276.
- Cowan, C.A., and James, N.P., 1992, Diastasis cracks-mechanically generated synaeresis-like cracks in Upper Cambrian shallow water oolite and ribbon carbonates: Sedimentology, v. 39, p. 1,101-1,118.
- Craft, Milton, and Keelan, Dare, 1985, Coring, part 7 analytical aspects of sidewall coring: World Oil, Sept., p. 77-90.
- Crawford, A.L., 1949, Origin of gilsonite and related hydrocarbons of the Uinta Basin, Utah, in Hansen, G.H., and Bell, M.M., editors, The oil and gas possibilities of Utah: Utah Geological and Mineralogical Survey, p. 235-260.

- Crawford, A.L., and Pruitt, R.G., 1963, Gilsonite and other bituminous substances of central Uintah County, Utah: Utah Geological and Mineralogical Survey Bulletin 54, p. 215-224.
- Cross, A.T., and Wood, G.D., 1976, Palynology and petrography of some solid hydrocarbons of Utah: Brigham Young University Geologic Studies, v. 22, part 3, p. 157-173.
- Crouch, B.W., Hackney, M.L., and Johnson, B.J., 2000, Sequence stratigraphy and reservoir character of lacustrine carbonates in the basal limestone member lower Green River Formation (Eocene), Duchesne and Antelope Creek fields, Duchesne Co., Utah: American Association of Petroleum Geologists Annual Convention Program with Abstracts, p. A34.
- Dana, G.F., Smith, J.W., and Trudell, L.G., 1980, Shallow oil shale resources of the southern Uinta Basin, Utah: U.S. Department of Energy, Laramie Energy Technology Center Report of Investigations 80/11, 35 p.
- Dane, C.H., 1954, Stratigraphic and facies relationships of upper part of Green River Formation and lower part of Uinta Formation in Duchesne, Uintah, and Wasatch Counties, Utah: American Association of Petroleum Geologists Bulletin, n. 38, p. 405-425.
- ---1955, Stratigraphic and facies relationships of upper part of Green River Formation and lower part of Uinta Formation in Duchesne, Uintah, and Wasatch Counties, Utah: U.S. Geological Survey Oil and Gas Investigations Chart OC-52.
- Dean, W.E., and Anders, D.E., 1991, Effects of source, depositional environment, and diagenesis on characteristics of organic matter in oil shale from the Green River Formation, Wyoming, Utah, and Colorado, *in* Tuttle, M.L., editor, Geochemical, biogeochemical, and sedimentological studies of the Green River Formation, Wyoming, Utah, and Colorado: U.S. Geological Survey Bulletin 1973-F, p. F1-F16.
- Dean, W.E., and Fouch, T.D., 1983, lacustrine environments *in* Scholle, P.A., Debout, D.G., and Moore, C.H., editors, Carbonate depositional environments: American Association of Petroleum Geologists Memoir 33, p. 98-130.
- Deo, M.L., Miharia, Anupam, and Kumar, Rajinder, draft, Solid precipition in reservoirs: SPE 28967.
- Deo, M.L., Neer, L.A., Whitney, E.M., Nielson, D.L., Lomax, J.D., and Pennington, B.I., 1994, Description and performance of a lacustrine fractured reservoir: Society of Petroleum Engineers 69th Annual Technical Conference and Exhibition, New Orleans, LA., SPE no. 28938. p. 491-492.

- Deo, M.D., Pawar, R.J., and Dyer, J.E., 1996, Geostatistical modeling and reservoir simulations of reservoirs in the Greater Monument Butte region, Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 80, no. 6, p.968-969.
- Deo, M.L., Sarkar, Avik, Nielson, D.L., Lomax, J.D., and Pennington, B.I., 1994, Monument Butte case study-Demonstration of a successful waterflood in a fluvial deltaic reservoir: SPE-DOE Improved Oil Recovery Symposium no. 27749. p. 143-150
- Department of the Interior, Bureau of Land Management, Vernal District, 1993, Diamond Mountain Resource area, resource management plan and environmental impact plan, volume I and II.
- Desborough, G.A., 1976, Mineralogy of oil shale in the upper part of the Parachute Creek Member of the Green River Formation in the eastern Uinta Basin, Utah: U.S. Geological Survey Open-File Report 76-381, 27 p.
- ---1978, A biogenic-chemical stratified lake model for the origin of oil shale of the Green River Formation an alternative to the playa-lake model: Geological Society of America Bulletin, v. 89, p. 961-971.
- Desborough, G.A., Pitman, J.K., and Donnell, J.R., 1973, Microprobe analysis of biotites-A method of correlating tuff beds in the Green River Formation, Colorado and Utah: U.S. Geological Survey Journal of Research, v. 1, p. 39-44.
- Didericksen, C.J., 1968, Sedimentology of saline facies, Green River-Uinta Formations (Eocene), Uinta Basin, Utah: University of Nebraska, Lincoln, Nebraska, Master Thesis.
- Dueholm, K.S., and Olsen, T., 1993, Reservoir analog studies using multimodel photogrammetry-A new tool for the petroleum industry: American Association of Petroleum Geologists Bulletin v. 77, no. 12, p. 2023-2030.
- Dunagan, S.P., 2000, lacustrine carbonates of the Morrison Formation (Upper Jurassic, western interior), east-central Colorado, U.S.A., *in* Gierlowski-Kordesch, E.H., and Kelts, K.R., editors, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46, p. 181-188.
- Dyni, J.R., 1976, Trioctahedral smectite in the Green River Formation, Duchesne County, Utah: U.S. Geological Survey Professional Paper 967, 14 p.
- ---1985, Clay mineralogy of the Green River Formation, *in* Hall, R.B., compiler, Clays and clay minerals, western Colorado and eastern and central Utah: International Clay Conference Field Trip Guidebook, p. 5-8.

- Dyni, J.R., and Goodwin, J.C., 1972, AAPG field trip roadlog--Vernal, Utah to Rio Blanco, Colorado, *in* Tertiary and Cretaceous resources of the Southern Rocky Mountains: Mountain Geologist, v. 9, no. 2-3, p. 115-134.
- Dyni, J.R., and Hawkins, J.E., 1981, Lacustrine turbidites in the Green River Formation, northwestern Colorado: Geology, v. 9, no. 5, p. 235-238.
- Dyni, J.R., Milton, C., and Cashion, W.R., 1985, the saline facies of the upper part of the Green River Formation near Duchesne, Utah, *in* Picard, M.D., editor, Geology and energy resources of Utah: Utah Geological Association Guidebook 12, p. 51-60.
- Eardley, A.J., 1938, Sediments of the Great Salt Lake: American Association of Petroleum Geologists Bulletin, v. 22, no. 10, p. 1305-1410.
- Eardley, A.J., 1966, Sediments of Great Salt Lake: Utah Geological Society Guidebook 20, p. 105-120.
- Eubanks, Darrell, Seiler, Doug, and Russell, Bill, 1995, Geological applications using an electrical micro imaging tool: Oil and Gas Journal vol. 93, no. 47, p. 84-89.
- Eugster, H.P., and Hardie, L.A., 1975, Sedimentation in an ancient playa-lake complex-The Wilkins Peak Member of the Green River Formation of Wyoming: Geological Society of America Bulletin, v. 68, p. 319-334.
- Eugster, H.P., and Surdam, R.C., 1973, Depositional environment of the Green River Formation of Wyoming-A preliminary report: Geological Society of America Bulletin, v. 84, p. 1115-1120.
- ---1973, Depositional environment of the Green River Formation of Wyoming; reply: Geological Society of America Bulletin, v. 85, no. 7, p. 1192.
- Evans, R.J., and Felbeck, G.T., Jr., 1983, High temperature simulation of petroleum formation the pyrolysis of Green River Shale: Organic Geochemistry, v. 4, p. 135-144.
- Eyles, N., and Clark, B.M, 1986, Significance of hummocky and swaley cross-stratification in Late Pleistocene lacustrine sediments of the Ontario Basin, Canada: Geology v. 14, p. 679-682.
- Fahey, J.J., 1962, Saline minerals of the Green River Formation: U.S. Geological Survey Professional Paper 405, 50 p.
- Findley, L.D., 1972, Why Uinta Basin drilling is costly, difficult: World Oil, v. 174, no. 5, p. 77-81.

- Fisher, D.J., Erdmann, C.E., and Reeside, J.B., Jr., 1960, Cretaceous and Tertiary formations of the Book Cliffs, Carbon, Emery, and Grand counties, Utah, and Garfield and mesa counties, Colorado: U.S. Geological Survey Professional Paper 332, 80 p.
- Fleet, A.J., Kelts, K., and Talbot, M.R., editors, 1987, Lacustrine petroleum source rocks: Geological Society Special Publication No. 40, 391 p.
- Flint, S., and Bryant, I., editors, 1993, Quantitative modeling of clastic hydrocarbon reservoirs and outcrop analogues: International Association of Sedimentologists Special Publication 15, p.
- Fouch, T.D., 1975, Lithofacies and related hydrocarbon accumulations in Tertiary strata of the western and central Uinta Basin, Utah, *in* Bolyard, D.W., editor, Symposium on deep drilling frontiers in the central Rocky Mountains: Rocky Mountain Association of Geologists Special Publication, p. 163-173.
- ---1976, Revision of the lower part of the Tertiary system in the central and western Uinta Basin, Utah: U.S. Geological Survey Bulletin 1405-C, 7 p.
- ---1981, Distribution of rock types, lithologic groups, and interpreted depositional environments for some lower Tertiary and Upper Cretaceous rocks from outcrops at Willow Creek Indian Canyon through the subsurface of Duchesne and Altamont oil fields, southwest to north-central parts of the Uinta Basin, Utah: U.S. Geological Survey Oil and Gas Investigations Map, Chart OC-81, 2 sheets.
- ---1985, Oil and gas-bearing upper Cretaceous and Paleogene fluvial rocks in central and northeast Utah: Society of Economic Paleontologists and Mineralogists Short Course Notes 19, p. 241-271.
- Fouch, T.D., and Cashion, W.B., 1979, Preliminary chart showing distribution of rock types, lithologic groups, and depositional environments for some lower Tertiary, Upper and Lower Cretaceous, and Upper and Middle Jurassic rocks in the subsurface between Altamont oil field and San Arroyo gas field, north-central to southeastern Uinta Basin, Utah: U.S. Geological Survey Open-File Report 79-365, 2 sheets.
- Fouch, T.D., Cashion, W.B., Ryder, R.T., and Campbell, J.A., 1976, Field guide to lacustrine and related nonmarine depositional environments in Tertiary rocks, Uinta Basin, Utah, *in* Epis, R.C., and Weimer, R.J., editors, Studies in Colorado Field Geology: Professional Contributions of Colorado School of Mines no. 8, p. 358-385.

- Fouch, T.D., Claypool, G.E., Hanley, J.H., and Tschudy, R.H., 1977, Newly recognized petroleum source-rock units in east-central Utah implications for detection of petroleum in nonmarine units (abstract): American Association of Petroleum Geologists Bulletin 61, p. 785-786.
- Fouch, T.D., and Dean, W.E., 1982, Lacustrine and associated clastic depositional environments, *in* Scholle, P.A., and Spearing, Darwin, editors, Sandstone Depositional Environments: American Association of Petroleum Geologists Memoir 31, p. 87-114.
- Fouch, T.D., and Hanley, J.H., 1977, interdisciplinary analysis of some petroleum source rocks in east-central Utah implications for hydrocarbon exploration in nonmarine rocks of western United States: American Association of Petroleum Geologists Bulletin 61, p. 1,377-1,378.
- Fouch, T.D., Nuccio, V.F., and Chidsey, T.C., Jr., editors, 1992, Hydrocarbon and Mineral Resources of the Uinta Basin, Utah and Colorado: Utah Geological Association Guidebook 20, 366 p.
- Fouch, T.D., Nuccio, V.F., Anders, D.E., Rice, D.D., Pitman, J.K., and Mast, R.F., 1995, The Green River petroleum system, Uinta Basin, Utah, USA, *in* Magoon, L.B., and Dow, W.G., editors, The petroleum system from source to trap: American Association of Petroleum Geologists Memoir 60, p. 399-421.
- Fouch, T.D., and Pitman, J.K., 1991, Tectonic and climate changes expressed as sedimentary cycles and stratigraphic sequences in the paleogene Lake Uinta system, central Rocky Mountains, Utah and Colorado (abstract): American Association of Petroleum Geologists Bulletin, v. 75, no. 3, p. 575.
- ---1992, Tectonic and climate changes expressed as sedimentary and geochemical cycles Paleogene Lake systems, Utah and Colorado implications for petroleum source and reservoir rocks, *in* Carter, L.J., editor, U.S. Geological Research on Energy Resources, 1992 McKelvey Forum Program and Abstracts (abstract): U.S. Geological Survey Circular 1074, p. 29-30.
- Fouch, T.D., Pitman, J.K., Wesley, J.B., Szantay, Adam, and Ethidge, F.G., 1990, Sedimentology, diagenesis, and reservoir character of Paleogene fluvial and lacustrine rocks, Uinta Basin, Utah evidence from the Altamont and Red Wash fields, *in* Carter, L.M., editor, Sixth V. E. McKelvey forum on mineral and energy resources, USGS Research on Energy Resources 1990 Program and Abstracts: U.S. Geological Survey Circular 1060, p. 31-32.

- Fouch, T.D., Wandrey, C.J., Pitman, J.K., Nuccio, V.F., Schmoker, J.W., Rice, D.D., Johnson, R.C., and Dolton, G.L., 1992, Natural gas accumulations in low-permeability Tertiary, and Cretaceous (Campanian and Maastrichtian) rock, Uinta Basin, Utah: Final Report to the U.S. Department of Energy NTIS no. DE92001132, 81 p.
- Franczyk, K.J., 1991, Stratigraphic and time-stratigraphic cross sections of Phanerozoic rocks along line C-C', Uinta and Piceance Basin area, southern Uinta Mountains to northern Henry Mountains, Utah: U.S. Geological Survey Miscellaneous Investigations Series Map I-2184-C, 2 sheets, scale 1:500,000.
- Franczyk, K.J., Fouch, T.D., Johnson, R.C., Molenaar, C.M., and Cobban, W.A., 1992, Cretaceous and Tertiary paleogeographic reconstructions for the Uinta-Piceance Basin study area, Colorado and Utah: U.S. Geological Survey Bulletin 1787-Q, 37 p.
- Franczyk, K.J., Pitman, J.K., Cashion, W.B., Dyni, J.R., Fouch, T.D., Johnson, R.C., Chan, M.A., Donnell, J.R., Lawton, T.F., and Remy, R.R., 1989, Evolution of resource-rich foreland and intramontane basins in eastern Utah and western Colorado, *in* Hanshaw, P.M., editor, 28th International Geological Congress Field Trip Guidebook T324: American Geophysical Union, 53 p.
- Freethey, G.W., 1988, Models, data available, and data requirements for estimating the effects of injecting saltwater into disposal wells in the Greater Altamont-Bluebell oil and gas field, northern Uinta Basin, Utah: U.S. Geological Survey Open-File Report 88-475, 30 p.
- ---1992, Maps summarizing geohydrologic information in an area of salt-water disposal, eastern Altamont-Bluebell petroleum field, Uinta Basin, Utah: U.S. Geological Survey Water Resource Investigation Report 92-4043.
- French, F.R., and Mclean, M.R., 1993, Development drilling problems in high-pressure reservoirs: Journal of Petroleum Technology, v. 45, no. 8, p. 772-777.
- Galloway, W.E., 1989, Genetic stratigraphic sequences in basin analysis I Architecture and genesis of flooding-surface bounded depositional units: American Association of Petroleum Geologists Bulletin v. 73, p. 125-142.
- Garner, Ann, 1995a, Reservoir characterization through facies analysis of the lower Green River Formation for hydrocarbon production enhancement in the Altamont-Bluebell field, Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin v. 79, no. 2, p. 313.

- ---1995b, Reservoir characterization through facies analysis of the lower Green River Formation for hydrocarbon production enhancement in the Altamont-Bluebell field, Uinta Basin, Utah: Physical and Mathematical Sciences and the Central Utah Section of the American Chemical Society Ninth Annual Spring Research Conference Program with Abstracts.
- ---1996, Outcrop study of the Lower Green River Formation for the purpose of reservoir characterization and hydrocarbon production enhancement in the Altamont- Bluebell field, Uinta Basin, Utah: Provo, Brigham Young University, M.S. thesis, 192p.
- Garner, Ann, and Morris, T.H., 1996, Outcrop study of the Lower Green River Formation for reservoir characterization and hydrocarbon production enhancement in the Altamont-Bluebell field, Uinta Basin, Utah: Utah Geological Survey Miscellaneous Publication 96-2, 61p.
- ---1994, Reservoir characterization through facies analysis of the lower Green River Formation for hydrocarbon production enhancement in the Altamont-Bluebell field, Uinta Basin, Utah (abstract): Geological Society of America Abstracts with Programs, v. 26, no. 7.
- Gierlowski-Kordesch, E.H., and Kelts, K.R., 2000, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46,
- Glaser, K.S., and Miskell-Gerhardt, K.J., 1995, Core, well log, and seismic integrated stratigraphic study of humid and arid climate lacustrine oil shales-Green River Formation, Washakie Basin, Wyoming: American Association of Petroleum Geologists Annual Convention Program with Abstracts, p. 33A-34A.
- Goodwin, J.H., 1971, Geochemical history of Lake Gosiute: Wyoming University Contributions to Geology, v. 10, no. 1, p. 9-13.
- Grigsby, J.D., Sippel, M.A., and Vidal, J.M., 1993, Using log-derived permeability data to better characterize reservoir architecture and permeability distribution in a fluvially dominated deltaic gas reservoir (abstract): Geologic Society of America Abstracts with Programs, p. A-300.
- Grissom, M.C., 1981, Oil shales and tar sands; a bibliography: National Technical Information Service, Springfield, Virginia, DOE/TIC-3367, 950 p.
- Groeger, Alicia, and Bruhn, Ronald, 2001, Structure and geomorphology of the Duchesne graben, Uinta basin, Utah, and its enhancement of a hydrocarbon reservoir: American Association of Petroleum Geologists Bulletin v. 85, no. 9, p. 1661-1678.

- Gualtieri, J.L., 1988, Geologic map of the Westwater 30' X 60' quadrangle, Grand and Uintah Counties, Utah and Garfield and Mesa Counties, Colorado: U. S. Geological Survey Miscellaneous Investigations Series Map I-1765, 1:100,000.
- Gustavson Associates, 1996, Final report, study of alternatives for future operations of the Naval Petroleum and Oil Shale Reserves (NOSR-2), Uintah and Carbon counties, Utah as of October 1, 1996: U.S. Department of Energy contract DE-AC01-96FE64202, document DOE/FE/64202-T2-ADD, 115 p.
- Gwinner, D.M., Laude, L.S., Olmos, J.L., Quirein, J.A., and Reimer, L.J., 1992, Improved porosity/lithology estimates can locate productive zones: World Oil, May 1992, p. 57-63.
- Gwynn, J.W., and Murphy, P.J., 1980, Recent sediments of the Great Salt Lake basin *in*, Gwynn, J.W., editor, Great Salt Lake a scientific, historical and economic overview: Utah Geological and Mineral Survey Bulletin 116, p. 84-96.
- Hackney, M.L., and Crouch, B.W., 2000, The Castle peak Member of the lower Green River Formation, Antelope Creek field, Duchesne Co., Utah an example of the effects of a migrating shoreline on the expression of an open-lacustrine carbonate facies: American Association of Petroleum Geologists Annual Convention Program with Abstracts, p. A62.
- Haley, R.A., 1995, Pulsed neutron capture log interpretation in laminated formations-a dual-exponential-decay model: Society of Petroleum Engineers Journal of Formation Evaluation, v. 10, no. 1, p. 20-25.
- Hansen, W.R., 1984, Post-Laramide tectonic history of the eastern Uinta Mountains, Utah, Colorado, and Wyoming: The Mountain Geologist, v. 21, no. 1, p. 5-29.
- Harrison, A.G., and Thode, H.G., 1958, Sulphur isotope abundances in hydrocarbons and source rocks of Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 42, p. 2642-2649.
- Harthill, Norman, and Bates, C.R., 1996, Fracture definition in the Rocky Mountain Foreland: Rocky Mountain Association of Geologists The Outcrop vol. 45, no. 2, p. 4 and 9.
- ---1996, Open fracture prediction and detection at the Bluebell Altamont field, Uinta Basin, Utah: American Association of Petroleum Geologists Program with Abstracts, p. A62.
- Harthill, Norman, Bates, C.R., Lynn, H.B., and Simon, K.M., 1997, Fracture definition by surface seismic at the Bluebell-Altamont field, Uinta Basin, Utah, *in* Hoak, T.E., Klawitter, A.L., and Blomquist, P.K., editors Fractured reservoirs characterization and modeling: Rocky Mountain Association of Geologists Guidebook p. 155-163.

- Hart's Oil and Gas World, 1994, Liquid carbon dioxide frac treatment pulls more pay from Devonian shales: v. 86, no. 5, p. 22-24.
- Havertz, M.J., and McCoy, R.M., 1985, Combining remote sensing and geochemistry to estimate oil production in the Uinta Basin: Association of Petroleum Geochemical Explorationists Bulletin, v. 1, p. 85-101.
- Hendel, C.W., 1957, The Peters Point gas field, *in* Seal, O.G., editor, Guidebook to the Geology of the Uinta Basin: Intermountain Association of Petroleum Geologists 8th Annual Field Conference Guidebook, p. 193-201.
- Henderson, Junius, 1924, The origin of the Green River Formation: American Association of Petroleum Geologists Bulletin, v. 8, no. 5, p. 662-668.
- Henderson, W., and Reed, W.E., 1974, Proposed stratigraphic controls on the composition of crude oils reservoired in the Green River Formation, Uinta Basin, Utah: Pergamon Press, New York, p. 499-515.
- High, L.R., Jr., and Picard, M.D., 1971, Nearshore facies relations, Eocene Lake Uinta, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 55, p. 343.
- Holmes, W.F., 1979, Maps showing generalized structure contours on the tops of the Wasatch and Green River Formations, geologic sections and contours of thickness of the Green River Formation, southeastern Uinta Basin, Utah and Colorado: U.S. Geological Survey Miscellaneous Investigations Map I-1156, scale 1:125,000.
- Hood, J.W., 1976, Characteristics of aquifers in the northern Uinta Basin area, Utah and Colorado: Utah Department of Natural Resources Technical Publication No. 53, 71 p.
- Hood, J.W., and Fields, F.K., 1978, Water resources of the northern Uinta Basin area, Utah and Colorado, with special emphasis on ground-water supply: Utah Department of Natural Resources Technical Publication No. 62, 75 p.
- Hood, J.W., Mundorff, J.C., and Price, Don, 1976, Selected hydrologic data, Uinta Basin area, Utah and Colorado: Utah Department of Natural Resources Basic-Data Release No. 26, 321 p.
- Horn, M.K., 1998, Combining subsurface natural fracture predictions with oil generation estimates-an example from Uinta Basin, Utah: American Association of Petroleum Geologists Annual Convention Abstract CD ROM.

- Houzay, Jean-Pierre, and Pradier, Bernard, 2002, High-resolution sequence stratigraphy and organic geochemistry study of the Raven Ridge lacustrine Eocene series (Uinta basin, Colorado, USA): Implications on organic matter accumulation: American Association of Petroleum Geologists Annual Convention Offical Program with abstracts [abs.], vol 11, p. A81.
- Howells, Lewis, Longson, M.S., and Hunt, G.L., 1987, Base of moderately saline ground water in the Uinta Basin, Utah, with an introductory section describing the methods used in determining its position: Utah Department of Natural Resources Technical Publication No. 92, 59 p.
- Hundemann, A.S., 1975, Oil Shale--A bibliography with abstracts: Available from National Technical Information Service as report NTIS/PS-75/362, 136 p.
- Hunt, J.M., 1963, Composition and origin of the Uinta Basin bitumens, *in* Crawford, A.L., editor, The oil and gas possibilities of Utah, re-evaluated: Utah Geological and Mineralogical Survey Bulletin 54, p. 249-273.
- Hunt, J.M., Stewart, Francis, and Dickey, P.A., 1954, Origin of the hydrocarbons of the Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 38, no. 8, p. 1671-1698.
- Hunter, J.L., Leonard, R.S., Andrus, D.G., Tschirhart, L.R., and Daigle, J.A., 1992, Cotton Valley production enhancement team points way to full gas production potential: Society of Petroleum Engineers 67th Annual Technical Conference n. 24887, p. 265-280.
- Hyne, N.J., Cooper, W.A., and Dickey, P.A., 1979, Stratigraphy of intermontane, lacustrine delta, Catatumbo River, lake Maracaibo, Venezuela: American Association of Petroleum Geologists Bulletin, v. 63, no. 11, p. 2042-2057.
- Imbus, S.W., and Elmore, R.D., 1990, Organic geochemistry and sedimentology of Middle Proterozoic Nonesuch Formation hydrocarbon source rock assessment of a lacustrine rift deposit, *in* Katz, B.J., editor, Lacustrine basin exploration -case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p. 197-208.
- Jacob, A.F., 1969, Delta facies of the Green River Formation (Eocene) Carbon and Duchesne Counties, Utah: Boulder, University of Colorado, unpublished Ph.D thesis, 182 p.
- Jacob, A.F., 1969, Delta facies, Green River Formation, Carbon and Duchesne Counties, Utah (abstract): Geological Society of America Abstracts with Programs, part 5, p. 36-37.
- Jacobs, I.C., Chemical treatments for the control of asphaltene sludge during oil well acidizing treatments: Society of Petroleum Engineers Paper 18475.

- Jacobs, I.C., and Thorne, M.A., Asphaltene precipitation during acid stimulation treatments: Society of Petroleum Engineers Paper 14823.
- Johnson, R.C., 1981, Stratigraphic evidence for a deep Eocene Lake Uinta, Piceance Creek basin, Colorado: Geology, v. 9, no. 2, p. 55-62.
- ---1984, New names for units in the lower part of the Green River Formation, Piceance Creek Basin, Colorado: U.S. Geological Survey Bulletin 1529-I, 20 p.
- ---1985, Early Cenozoic history of the Uinta and Piceance Creek basins, Utah and Colorado, with special reference to the development of Eocene lake Uinta, *in* Flores, R.M., and Kaplan, S.S., editors, Cenozoic paleogeography of the west-central United States: Rocky Mountain Section, Society of Economic Paleontologists and Mineralogists, p. 247-276.
- ---1989, Detailed cross sections correlating Upper Cretaceous and Lower Tertiary rocks between the Uinta Basin of eastern Utah and western Colorado and the Piceance Basin of western Colorado: U.S. Geological Survey Miscellaneous Investigations Series Map I-1974, 2 sheets.
- Johnson, R.C., and Johnson, S.Y., 1991, Stratigraphic and time-stratigraphic cross sections of Phanerozoic rocks along line B-B', Uinta and Piceance Basin area, west-central Uinta Basin, Utah to eastern Piceance Basin, Colorado: U.S. Geological Survey Miscellaneous Investigations Series Map I-2184-B, scale 1:500,000.
- Johnson, T.C., 1984, Sedimentation in large lakes: Annual Review of Earth and Planetary Sciences, v. 12, p. 179-204.
- Juprasert, M.S., 1994, Bullhead acidizing succeeds offshore California: Oil and Gas Journal, v. 92, n. 15, p. 47-52.
- Katz, B.J. 1990, Controls on distribution of lacustrine source rocks through time and space, *in* Katz, B.J., editor, Lacustrine basin exploration -case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p. 61-76.
- ---1991, Lacustrine basin exploration-case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p.
- Kazanci, N., 1990, Fan delta sequences in the Pleistocene and Holocene Burdur basin, Turkey the role of basin margin development, *in* Colella, A., and Prior, D.B., editors, Coarsegrained deltas: International Association of Sedimentologists Special Publication 10, p. 185-198.

- Keighin, C.W., 1982, Characteristics and description of cores for U.S. Geological Survey core hole CRU-1, Parachute Creek Member, Green River Formation, east-central Uinta Basin, Utah: U.S. Geological Survey Open-File Report 82-528, 46 p.
- Keighin, C.W., and Fouch, T.D., 1981, Depositional environments and diagenesis of some nonmarine Upper Cretaceous reservoir rocks, Uinta Basin, Utah *in* Ethridge, F.G., and Flores, R.M., editors, Recent and Ancient Nonmarine Depositional Environments-Models for Exploration: Society of Economic Paleontologists and Mineralogists Special Publication 31, p. 109-125.
- Keighin, C.W., and Sampath, K., 1982, Evaluation of pore geometry of some low-permeability sandstones Uinta Basin: Journal of Petroleum Technology, v. 34, no. 1, p. 65-70.
- Keighley, David, Anderson, Daniel, Flint, Stephen, and Howell, John, 1998, Soft-sediment deformation structures as potential indicators of synsedimentary tectonic control in alluvial-lacustrine sequences, Green River Formation, Nine Mile Canyon, Uinta Basin, east-central Utah: American Association of Petroleum Geologists Annual Convention Abstract CD ROM.
- Keighley, David, Collins, S., Flint, S., and Howell, J., 1999, Reservoir-scale distribution of fluvial sandbodies in lacustrine closed basins, and some sequence-stratigraphic implications: Green River Formation, SW Uinta basin, east-central Utah: American Association of Petroleum Geologists Annual Convention Program with abstracts, p. A71.
- Keighley, David, Flint, Stephen, and Howell, John, 2001, High resolution lacustrine sequence stratigraphy an example from the Green River Formation, Uinta Basin, east central Utah: American Association of Petroleum Geologists Annual Convention Program with Abstracts, p. A102.
- Keighley, David, Flint, Stephen, Howell, John, Anderson, Daniel, Collins, Stephen, Moscariello, Andrea, and Stone, Greg, 2002, Surface and subsurface correlation of the Green River Formation in central Nine Mile Canyon, SW Uinta Basin, Carbon and Duchesne Counties, east-central Utah: Utah Geological Survey Miscellaneous Publication 02-1, CD-ROM.
- Kimball, B.A., 1981, Geochemistry of spring water, southeastern Uinta Basin, Utah and Colorado: U.S. Geological Survey Water Supply Paper W-2074, 30 p.
- Koesoemadinata, R.P., 1970, Stratigraphy and petroleum occurrence, Green River Formation, Red Wash field, Utah: Colorado School of Mines Quarterly, v. 65, no. 1, p. 1-77.

- Kusumanegara, Yohan, 1994, Stratigraphic controls on petrophysical attributes and fluid-flow pathways in an exhumed fluvial reservoir, Sunnyside quarry, Carbon County, Utah: Boulder, Colorado School of Mines, M.S. thesis, 108 p.
- La Rocque, A., 1956, Tertiary mollusks of central Utah *in* Peterson, J.A., editor, Geology and Economic Deposits of East Central Utah: Intermountain Association of Petroleum Geologists Seventh Annual Field Conference, p. 140-145.
- ---1960, Molluscan faunas of the Flagstaff Formation of central Utah: Geological Society of America Memoir 78, 100 p.
- Larsen, Daniel, 2000, Upper Eocene and Oligocene lacustrine deposits of the southwestern United Sates, with emphasis on the Creede and Florissant Formations, *in* Gierlowski-Kordesch, E.H., and Kelts, K.R., editors, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46, p. 425-438.
- Lemons, D.R., and Chan, M.A., 1999, Facies architecture and sequence stratigraphy of fine-grained lacustrine deltas along the eastern margin of Late Pleistocene lake Bonneville, northern Utah and southern Idaho: American Association of Petroleum Geologists Bulletin v. 83, no. 4, p. 635-665.
- Lemons, D.R., Milligan, M.R., and Chan, M.A., 1996, Paleoclimatic implications of late Pleistocene sediment yield rates for the Bonneville basin, northern Utah: Palaeogeography, Palaeoclimatology, Paleoecology, v. 123, p. 147-159.
- Leon, H.I., 1980, Comparative analysis of nine selected oil shale properties: Colorado School of Mines Oil Shale Symposium Proceedings, no. 13, p. 26-34.
- Leontaritis, K.J., Amaefule, J.O., and Charles, R.E., 1992, A systematic approach for the prevention and treatment of formation damage caused by asphaltene deposition: International symposium on formation damage control, Society of Petroleum Engineers Paper 23810.
- Lerman, A., editor, 1978, Lakes-chemistry, geology, physics: Berlin, Springer-Verlag, p.
- Lindsay, J.B., editor, 1969, Geologic Guidebook of the Uinta Mountains, Utah Maverick Range: Intermountain Association of Petroleum Geologists 17th Annual Field Conference Guidebook, 237 p.
- Linville, Bill, editor, 1991, Reservoir characterization III, proceedings third international reservoir characterization technical conference: Tulsa, Oklahoma, PennWell Books, 999 p.

- Liro, L.M., 1990, Seismic facies analysis of fluvial-deltaic lacustrine systems upper Fort Union Formation (Paleocene), Wind River Basin, Wyoming, *in* Katz, B.J., editor, Lacustrine basin exploration -case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p. 225-242.
- Little, T.M., 1988, Depositional environments, petrology, and diagenesis of the basal limestone facies, Green River Formation (Eocene), Uinta Basin, Utah: University of Utah M.S. thesis, Salt Lake City, Utah, 154 p.
- Little, T.M., and Bereskin, S.R., 1986, Diagensis, depositional environments, and hydrocarbon potential of the basal limestone, Green River Formation, Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin v. 70, no. 8, p. 1047.
- Lomando, A.J., 1996, Exploration for lacustrine carbonate reservoirs-insights from West Africa (abstract): American Association of Petroleum Geologists Bulletin v. 80, no. 8, p. 1,308-1,309.
- Lomax, J.D., 1992, Development of new reserves-the Uinta Basin: The Interstate Oil and Gas Compact and Committee Bulletin, v. 6, no. 2, p. 27-30.
- ---1994, Green River Formation waterflood demonstration project, Uinta Basin, Utah, *in* U.S. Department of Energy contracts for field projects and supporting research on enhanced oil recovery: Progress Report No. 74, p. 141-144.
- Lomax, J.D., and Howard, Allen, 1994, New logging tool identifies permeability in shaley sands: Oil and Gas Journal, v. 92, no. 51, p. 104-108.
- Lorenz, J.C., 1994, Subsurface fracture spacing comparison of inferences from slant/horizontal and vertical cores: Society of Petroleum Engineers Formation Evaluation, v. 9, no. 1, p. 66-72.
- Lucas, S.G., and Anderson, O.J., 2000, The Todilto Salina Basin, Middle Jurassic of the U.S. southwest, *in* Gierlowski-Kordesch, E.H., and Kelts, K.R., editors, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46, p. 153-158.
- Lucas, P.T., and Drexler, J.M., 1975, Altamont-Bluebell A major naturally fractured and overpressured stratigraphic trap, Uinta Basin, Utah, *in*, Bolyard, D.W., editor, Symposium on deep drilling frontiers in the central Rocky Mountains: Rocky Mountain Association of Geologists Special Publication, p. 265-273.

- ---1976, Altamont-Bluebell A major naturally fractured stratigraphic trap, *in* Braunstein, J., editor, North American oil and gas fields: American Association of Petroleum Geologists Memoir 24, p. 121-135.
- Lundell, L.L., and Surdam, R.C., 1975, Playa-lake deposition Green River Formation, Piceance Creek Basin, Colorado: Geology, v. 3, p. 493-497.
- Lutz, S.J., Nielson, D.L., and Lomax, J.D., 1994, Lacustrine turbidite deposits in the lower portion of the Green River Formation, Monument Butte Field, Uinta Basin, Utah: American Association of Petroleum Geologists Annual Meeting Program with Abstracts, v. 3, p. 203.
- Lyle, Don, 1995, Microbes aid hydrocarbon production in Coastal's Altamont-Bluebell wells: Oil and Gas World v. 87, no. 5, p. 55-57.
- Lynn, H.B., Bates, Coleman, Layman, Mike, and Jones, Mike, 1995, Natural fracture characterization using P-wave reflection seismic data, VSP, borehole imaging logs, and in-situ stress field determination: Society of Petroleum Engineers Proceedings of the Joint Rocky Mountain Meeting/Low-Permeability Reservoirs Symposium, SPE 29595, p. 493-506.
- Ma, T.A., and Bigelow, E.L., 1993, Borehole imaging tool detects well bore fractures: Oil and Gas Journal, v. 91, no. 2, p. 33-36.
- MacGinitie, H.D., 1969, Eocene Green River flora of northwestern Colorado and northeastern Utah: University of California Publications in Geological Sciences, v. 83, 203 p.
- Martel, A.T., and Gibling, M.R., 1991, Wave-dominated lacustrine facies and tectonically controlled cyclicity in the Lower Carboniferous Horton Bluff Formation, Nova Scotia, Canada: Special Publication of the International Association of Sedimentologists, v. 13, p. 223-243.
- Marzo, M., and Puigdefabregas, C., editors, 1993, Alluvial sedimentation: International Association of Sedimentologists Special Publication 17, p.
- Mathews, W.R., and Kelly, John, 1967, How to predict formation pressure and fracture gradient...from electric and sonic logs: Oil and Gas Journal, Feb. 20, p. 92-106.
- Mathews, M.D., and Perimutter, M.A., 1994, Global cyclostratigraphy an application to the Eocene Green River Basin: Special Publication of the International Association of Sedimentologists, v. 19, p. 459-481.

- Matlach, W.J., and Newberry, M.E., 1983, Paraffin deposition and rheological evaluation of high wax content Altamont crude oils: Rocky Mountain Regional Meeting, Society of Petroleum Engineers Paper 11851, p. 321-328.
- Mauger, R.L., 1972, A sulfur isotope study of bituminous sands from the Uinta Basin, Utah: 24th International Geology Congress proceedings, Comptes Rendus, sec. 5, p. 19-27.
- ---1977, K-Ar ages of biotites from tuffs in Eocene rocks of the Green River, Washakie, and Uinta Basins, Utah, Wyoming, and Colorado: Contributions to Geology, University of Wyoming, v. 15, no. 1, p. 17-41.
- McCoy, R.M., Havertz, M.J., Clem, Keith, Brandt, Cynthia, and Young, Stephen, 1986, Associations among lineaments, subsurface fractures, hydrocarbon microseepage, and production in the Uinta Basin, Utah: Remote sensing for exploration geology, the Fifth Thematic Conference proceedings, p. 117-125.
- McDonald, R.E., 1972, Eocene and Paleocene rocks of the southern and central basin, *in* Mallory, W.M., editor, Geologic atlas of the Rocky Mountain region: Rocky Mountain Association of Geologists, p. 243-256.
- McPherson, J.G., Shanmugam, G., and Moiola, R.J., 1987, Fan-deltas and braid deltas-varieties of coarse-grained deltas: Geological Society of America Bulletin, v. 99, p. 331-340.
- Meyer, B.L., and Nederlof, M.H., 1984, Identification of source rocks on wireline logs by density/resistivity and sonic transit time/resistivity crossplots: American Association of Petroleum Geologists Bulletin, v. 68, p. 121-129.
- Miller, J.R., 1950, Roosevelt field, Utah: Utah Geological Society Guidebook to the Geology of Utah, no. 5, p. 147-151.
- Milligan, M.R., 1995, Late Pleistocene coarse-grained Gilbert deltas at the eastern margin of Lake Bonneville, northern Utah: Salt Lake City, University of Utah M.S. thesis, 161 p.
- Milligan, M.R., and Lemons, D.R., 1998, A sequence stratigraphic overview of sandy and gravelly lacustrine deltas deposited along the eastern margin of Late Pleistocene Lake Bonneville, northern Utah and southern Idaho, *in* Pitman, J.K., and Carroll, A.R., editors, Modern and ancient lakes new problems and perspectives: Utah Geological Association Guidebook 26, p. 105-129.
- Moncure, G., and Surdam, R.C., 1980, Depositional environment of the Green River Formation in the vicinity of the Douglas Creek Arch, Colorado and Utah: University of Wyoming Contributions to Geology no. 19, p. 9-24.

- Monson, B., and Parnell, J., 1992, The origin of Gilsonite vein deposits in the Uinta Basin, Utah, *in* Fouch, T.D., Nuccio, V.F., and Chidsey, T.C., editors, Hydrocarbon and mineral resources of the Uinta Basin, Utah: Utah Geological Association Guidebook 20, p. 257-270.
- Montgomery, S.L., and Morgan, C.D., 1998, Bluebell field, Uinta Basin-reservoir characterization for improved well completion and oil recovery: American Association of Petroleum Geologists Bulletin E & P Notes v. 82, no. 6, p. 1,113-1,132.
- Moore, Jessica, and Wavrek, D.A., 2001, Hydrocarbon volumetric yields from fresh vs. hypersaline organic facies Green River Formation, Uinta Basin, Utah: American Association of Petroleum Geologists Annual Convention, Program with Abstracts, p A137-A138.
- Morgan, C.D., 1994, Oil and gas production maps of the Bluebell field, Duchesne and Uintah Counties, Utah: Utah Geological Survey Oil and Gas Field Study 15, 4p., 7 plates, scale 1 inch = 0.8 miles.
- ---1995a, A multi-disciplinary team approach to reservoir characterization of the Bluebell field, Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 79, no. 6, p. 923.
- ---1995b, Bluebell field-increasing production in a fluvial-deltaic reservoir: Utah Geological Association August Newsletter, v. 26, no. 7.
- --- compiler, 1995c, Increased oil production and reserves from improved completion techniques in the Bluebell field, Uinta Basin, Utah-second annual report: Utah Geology Survey Open-File Report 330, 115 p.
- ---1997, Improving primary oil recovery from a (DOE Class I) fluvial-dominated deltaic lacustrine reservoir Uinta Basin, Utah: American Association of Petroleum Geologists Annual Convention Program with Abstracts, p. A85.
- ---1999, Using gamma-ray log correlations to understand depositional patterns of a fluvial-deltaic lacustrine reservoir: American Association of Petroleum Geologists Annual Convention Program with abstracts, p. A95-96.
- Morgan, C.D., Bereskin, S.R., Chidsey, Jr., T.C., and McClure, K.P., 2000, Nine Mile Canyon outcrop analogue for oil and gas reservoirs in the Monument Butte area, Uinta Basin, Utah: AAPG Bulletin, v. 84, no. 8, p. 1242-1243.

- Morgan, C.D., Hill, B.G., and Jarvis, D.J., 1998, Secondary oil recovery (water flood) from the lower Green River Formation, Central Uinta Basin, Utah, *in* Pitman, J.K., and Carroll, A.R., editors, Modern and ancient lakes new problems and perspectives: Utah Geological Association Guidebook 26, p. 277-288.
- Morgan, C.D., Sprinkel, D.S., and Waite, K.A., 1995, Bluebell field drill-hole database, Duchesne and Uintah Counties, Utah: Utah Geological Survey Circular 90 DF, 23 p. 1 diskette.
- Moussa, M.T., 1965, Geology of the Soldier Summit Quadrangle, Utah: PhD thesis University of Utah, Salt Lake City, 129 p.
- ---1968, Fossil tracks from the Green River Formation (Eocene) near Soldier Summit, Utah: Journal of Paleontology, v. 42, no. 6, p. 1433-1438.
- ---1969, Green River Formation (Eocene) in the Soldier Summit area, Utah: Geological Society of America Bulletin, v. 80, p. 1737-1748.
- ---1976, Green River Formation of Utah and Colorado and playa lake deposition: Geology, v. 4, no. 6, p. 326-382.
- Mueller, Eric, 1998, Temporal and spatial source rock variations and the consequence on crude oil composition in the Tertiary petroleum system of the Uinta Basin, Utah, U.S.A.: Norman, University of Oklahoma, Ph.D. thesis, 170 p.
- Mueller, Eric, and Philp, R.P., 1998, Extraction of high molecular weight hydrocarbons from source rocks: and example from the Green River Formation, Uinta Basin, Utah: Organic Geochemistry vol. 28, p. 625-631.
- Mullens, M.C., 1973, Bibliography of the geology of the Green River Formation, Colorado, Utah, and Wyoming, to March 1, 1973: U.S. Geological Survey Circular 675, 20 p.
- Murphy, D.P., 1995, NMR logging and core analysis-simplified: World Oil, v. 216, no. 4, p. 65-70.
- Murrany, E.E., 1963, Subsurface stratigraphy of the Wasatch Formation of the Uinta Basin, Utah: thesis, University of Utah
- Narr, W.N., 1977, The origin of fractures in Tertiary strata of the Altamont field, Uinta Basin, Utah: Toronto, Masters thesis University of Toronto, 132 p.

- Narr, W.N., and Currie, J.B., 1982, Origin of fracture porosity example from Altamont field, Utah: American Association of Petroleum Geologists Bulletin, v. 66, no. 9, p. 1231-1247.
- Newberry, M.E., and Barker, K.M., Formation damage prevention through the control of paraffin and asphaltene deposition: Society of Petroleum Engineers paper 13796.
- Newman, K.R., 1974, Palynomorph zones in early Tertiary formations of the Piceance Creek and Uinta Basins, Colorado and Utah, *in* Guidebook to the energy resources of the Piceance Creek basin, Colorado: Rocky Mountain Association of Geologists 25th Annual Field Conference Guidebook, p. 47-55.
- Nghiem, L.X., Hassam, M.S., Nutakki, Ram, and George, A.E.D., 1993, Efficient modeling of asphaltene precipitation: 68th annual technical conference and exhibition of the Society of Petroleum Engineers Paper 26642, p. 375-384.
- Nio, S.D., Yang, C.S., Baumfalk, Y.A, Hurk, J.J. Van Den, Jonkman, H., Scheele, E., Veen, H. Van Der, and Weerd, A. Van De, 1993, Computer analysis of depositional sequences using wireline logs a new method for determining rates of geologic processes, *in* Armentrout, J.M., Bloch, Roger, Olson, H.C., and Perkins, B.E., editors, Rates of geologic processes tectonics, sedimentation, eustasy and climate implications for hydrocarbon exploration: Gulf Coast Section Society of Economic Paleontologists and Mineralogists Foundation Fourteenth Annual Research Conference, p. 141-154.
- North, C.P., and Boering, Martijn, 1999, Spectral gamma-ray logging for facies discrimination in mixed fluvial-eolian successions a cautionary tale: American Association of Petroleum Geologists Bulletin v. 83, no. 1, p. 155-169.
- Nuccio, V.F. and Fouch, T.D., 1992, Thermal maturity of the Mesaverde Group, Uinta Basin, Utah *in* Magoon, L.B., editor, The Petroleum System- Status of Research and Methods 1992: U.S. Geological Survey Bulletin 2007, p. 70-78.
- Nuccio, V.F., and Johnson, R.C., 1986, Thermal maturity map of the lower part of the Upper Cretaceous Mesaverde Group, Uinta Basin, Utah: U.S. Geological Survey Miscellaneous Field Studies Map MF-1842, one plate.
- ---1988, Surface vitrinite-reflectance map of the Uinta, Piceance, and Eagle basins area, Utah and Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-2008-B, scale 1:500,000.
- Oddo, J.E., and Tomson, M.B., 1994, Why scale forms and how to predict it: SPE 21710, Society of Petroleum Engineers Journal of Production and Facilities, p. 47-54.

- Oleson, N.E., 1986, Petroleum geology of the Eocene Lower Green River Formation, Duchesne and Uintah Counties, Utah: Waco, Baylor University, M.S. thesis, 173 p.
- Olsen, Torben, 1995, Fluvial and fluvio-lacustrine facies and depositional environments of the Maastrichtian to Paleocene North Horn Formation, Price Canyon, Utah: Rocky Mountain Association of Geologists, The Mountain Geologist, vol 32, n. 2, p. 27-44.
- Osmond, J.C., 1957, Brennan Bottom oil field, Uintah County, Utah *in* Seal, O.G., editor, Guidebook to the Geology of the Uinta Basin: Intermountain Association of Petroleum Geologists 8th Annual Field Conference Guidebook, p. 185-187.
- ---1964, Tectonic history of the Uinta basin, *in* Sabatka, E.F., editor, Guidebook of the geology and mineral resources of the Uinta Basin, Utah's hydrocarbon Storehouse: Intermountain Association of Petroleum Geologists 13th Annual Field Conference Guidebook, p. 47-58.
- ---1965, Geologic history of site of Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 49, 1957-1973.
- ---1985, Reservoir sandstone patterns, Green River Formation, Duck Creek oil field, Uintah County, *in* Picard, M.D., editor, Geology and Energy Resources, Uinta Basin, Utah: Utah Geological Association Publication 12, p. 187-192.
- ---2000, West Willow Creek field: first productive lacustrine stromatolite mound in the Eocene Green River Formation, Uinta Basin, Utah: Rocky Mountain Association of Geologists, The Mountain Geologist, vol. 37, no. 3, p. 157-170.
- Owen, R.B., 2000, Late Cretaceous-Early Tertiary continental and lacustrine basins of Hong Kong and southeast China *in* Gierlowski-Kordesch, E.H., and Kelts, K.R., editors, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46, p. 329-334.
- Paul, B.C., 1985, Geostatistical evolution of the Mahogany oil zone in the eastern Uinta Basin of Utah, using a rotating cartesian coordinate system: University of Utah Masters Thesis, 112 p., Salt Lake City, Utah.
- Pawar, R.J., Deo, M.D., and Dyer, J.E., 1996, Effect of reservoir connectivity on primary and secondary recovery: Society of Petroleum Engineers SPE/DOE 35414, p. 147-155.
- Peterson, A.R., 1953, Paleoenvironments of the Colton Formation Colton, Utah: Brigham Young University Geology Studies v. 23, pt. 1, p. 3-36.

- Peterson, J.A., editor, 1956, Geology and Economic Deposits of East Central Utah: Intermountain Association of Petroleum Geologists Seventh Annual Field Conference 225 p.
- Peterson, P.R., 1975, Lithologic logs and correlation of coreholes, P.R. Spring and Hill Creek oil-impregnated sandstone deposits, Uintah County, Utah: Utah Geological and Mineralogical Survey Report of Investigations 100, 30 p.
- Picard, M.D., 1953, Marlstone--a misnomer as used in Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 37, no. 5, p. 1075-1077.
- ---1955, Subsurface stratigraphy and lithology of Green River Formation in Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 39, no.1, p. 75-102.
- ---1957a, Criteria used for distinguishing lacustrine and fluvial sediments in Tertiary beds of Uinta Basin, Utah: Journal of Sedimentary Petrology, v. 27, no. 4, p. 373-377.
- ---1957b, Green Shale facies, Lower Green River Formation, Utah: American Association of Petroleum Geologists Bulletin, v. 41, no. 10, p. 2323-2336.
- ---1957c, Subsurface percentage of sandstone and siltstone in lower part of Green River Formation, central and eastern Uinta Basin, Utah (abstract): Geological Society of America Bulletin, v. 68, no. 12, part 2, p. 1869-1870.
- ---1957d, The Red Wash-Walker Hollow field, a stratigraphic trap in eastern Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 41, no. 5, p. 923-936.
- ---1957e, Green River and Lower Uinta Formations-subsurface stratigraphic changes in central and eastern Uinta Basin, Utah *in* Seal, O.G., editor, Guidebook to the Geology of the Uinta Basin: Intermountain Association of Petroleum Geologists 8th Annual Field Conference Guidebook, p. 116-130.
- ---1962, Source beds in Red Wash-Walker Hollow field, eastern Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 46, no. 5, p. 690-694.
- ---1963, Duration of Eocene lake, Uinta Basin, Utah: Geological Society of America Bulletin, v. 74, no. 1, p. 89-90.
- ---1966, Oriented linear-shrinkage cracks in Green River Formation (Eocene), Raven Ridge area, Uinta Basin, Utah: Journal of Sedimentary Petrology, v. 36, no. 4, p. 1050-1057.

- ---1967, Paleocurrents and shoreline orientations in Green River Formation (Eocene), Raven Ridge and Red Wash areas, northeastern Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 51, no. 3, p. 383-392.
- ---1971, Petrographic criteria for recognition of lacustrine and fluvial sandstone, P.R. Spring oilimpregnated sandstone area, southeast Uinta Basin, Utah: Utah Geological and Mineralogical Survey Special Studies 36, 24 p.
- Picard, M.D., editor, 1985, Geology and Energy Resources, Uinta Basin of Utah: Utah Geological Association Guidebook 12, 238 p.
- Picard, M.D., and High, L.R., Jr., 1968, Sedimentary cycles in the Green River Formation (Eocene), Uinta Basin, Utah: Journal of Sedimentary Petrology, v. 38, no. 2, p. 378-383.
- ---1970, Sedimentology of oil-impregnated lacustrine and fluvial sandstone, P.R. Spring area, southeast Uinta Basin, Utah: Utah Geological and Mineralogical Survey Special Studies 33, 32 p.
- ---1972a, Paleoenvironmental reconstructions in an area of rapid facies change, Parachute Creek Member of Green River Formation (Eocene), Uinta Basin, Utah: Geological Society of America Bulletin, v. 83, no. 9, p. 2689-2708.
- ---1972b, Criteria for recognizing lacustrine rocks, *in* Rigby, J.K., and Hamblin, W.K., editors, Recognition of ancient sedimentary environments: Society of Economic Paleontologists and Mineralogists Special Publication 16, p. 108-145.
- ---1981, Physical stratigraphy of ancient lacustrine deposits, *in* Ethridge, F.G., and Flores, R.M., editors, Recent and ancient non-marine depositional environments-models for exploration: Society of Economic Paleontologists and Mineralogists Special Publication 31, p. 233-259.
- Picard, M.D., Thompson, W.D., and Williamson, C.R., 1973, Petrology, geochemistry, and stratigraphy of black shale facies of Green River Formation (Eocene), Uinta Basin, Utah: Utah Geological and Mineralogical Survey Bulletin 100, 52 p.
- Pitman, J.K., Anders, D.E., Fouch, T.D., and Nichols, D.J., 1986, Hydrocarbon potential of nonmarine Upper Cretaceous and Lower Tertiary rocks, eastern Uinta Basin, Utah, *in* Spencer, C.W., and Mast, R.F., editors, Geology of tight gas reservoirs: American Association of Petroleum Geologists Studies in Geology 24, p. 235-252.
- Pitman, J.K., and Carroll, A.R., editors, 1998, Modern and ancient lakes new problems and perspectives: Utah Geological Association Guidebook 26, 328 p.

- Pitman, J.K., Fouch, T.D., and Goldaber, M.B., 1982, Depositional setting and diagenetic evolution of some Tertiary unconventional reservoir rocks, Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 66, no. 10, p. 1581-1596.
- Pitman, J.K., Franczyk, K.J., and Anders, D.E., 1987, Marine and nonmarine gas-bearing rocks in Upper Cretaceous Blackhawk and Neslsen formations, eastern Uinta Basin: sedimentology, diagenesis, and source rock potential: American Association of Petroleum Geologists Bulletin, v. 71, p. 76-94.
- Pitman, J.K., and Sprunt, E.S., 1986, Origin and distribution of fractures in lower Tertiary and Upper Cretaceous rocks, Piceance Basin, Colorado, and their relation to the occurrence of hydrocarbons, *in* Spencer, C.W., and Mast, R.F., editors, Geology of tight gas reservoirs: American Association of Petroleum Geologists Studies in Geology 24, p. 221-233.
- Platt, N.H., and Wright, V.P., 1991, lacustrine carbonates-facies distributions and hydrocarbon aspects: Special Publication of the International Association of Sedimentologists, v. 13, p. 57-74.
- Porter, Livingstone, Jr., 1963, Stratigraphy and oil possibilities of the Green River Formation in the Uinta Basin, Utah, *in* Oil and gas possibilities of Utah re-evaluated: Utah Geological and Mineralogical Survey Bulletin 54, p. 193-198.
- Prensky, S.E., 1994, A survey of recent developments and emerging technology in well logging and rock characterization: The Log Analyst, March-April 1994, p. 15-45.
- Preston, Don, editor, 1961, A symposium of the oil and gas fields of Utah: Intermountain Association of Petroleum Geologists Guidebook, unpagenated. (includes papers on Bluebell and Roosevelt fields).
- Price, Don, and Miller, L.L., 1975, Hydrologic reconnaissance of the southern Uinta Basin, Colorado and Utah: Utah Department of Natural Resources Technical Publication 49, 66 p.
- Pruitt, R.G., Jr., 1961, The mineral resources of Uintah County: Utah Geological and Mineralogical Survey Bulletin 71, 101 p.
- Pusca, V.A., and Steel, R.J., 2001, Fluvial/marginal-lacustrine sands in the Green River Formation, NE Utah: American Association of Petroleum Geologists Annual Convention, Program with Abstracts, p A163.
- Ray, E.S., 1985, Diagenesis of sandstones from the Douglas Creek Member of the Green River Formation (Eocene) at Red Wash field, Uintah County, Utah: Masters thesis, Texas A & M University.

- Ray, R.G., Kent, B.H., and Dane, C.H., 1956, Stratigraphy and photogeology of the southwestern part of the Uinta Basin, Duchesne and Uintah Counties, Utah: U.S. Geological Survey Oil and Gas Investigations Map OM-171, scale 1:63,360.
- Reed, W.E., and Henderson, W., 1972, Proposed stratigraphic controls on the composition of crude oils reservoired in the Green River Formation, Uinta Basin, Utah, *in* Advances in Geochemistry: Oxford, Pergamon Press, p. 499-515.
- Reid, Mark, Holcomb, David, and Waak, K.A., 1995, Using low density tracers to evaluate acid treatment diversion: Society of Petroleum Engineers Proceedings of the Joint Rocky Mountain Meeting/Low-Permeability Reservoirs Symposium, SPE 29595, p. 405-414.
- Remy, R.R., 1989a, Deltaic sedimentation and transgressive/regressive cycles in Green River Formation, southern Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 73, no. 3, p. 404.
- ---1989b, Lacustrine hummocky cross-stratification in Green River Formation, southern Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 73, no. 9, p. 1171.
- ---1989c, Chapter 1, Deltaic and lacustrine facies of the Green River Formation, southern Uinta Basin, Utah, International Geological Congress Field Trip Guidebook T119, Cretaceous self sandstones and shelf depositional sequences, western interior basin, Utah, Colorado and New Mexico, p. 1-12.
- ---1991, Analysis of lacustrine deltaic sedimentation in the Green River Formation, southern Uinta Basin, Utah: Louisiana State University, unpublished Ph.D thesis, 394 p.
- ---1992, Stratigraphy of the Eocene part of the Green River Formation in the south-central part of the Uinta Basin, Utah: U.S. Geological Survey Bulletin 1787 BB, 79 p.
- Remy, R.R., and Ferell, R.E., 1989, Distribution and origin of analcime in marginal lacustrine mudstones of the Green River Formation, south central Uinta Basin, Utah: Clays and Clay Minerals, v. 37, no. 5, p. 419-432.
- Ritzma, H.R., 1972, Exploration and development of oil shale and oil-impregnated rock 1970-1975 [abs.]: American Association of Petroleum Geologists Bulletin 56, no. 3, p. 649-650.
- ----1973, Exploration and development of oil shales and oil-impregnated rocks, 1970-1975, *in* Future energy outlook: Colorado School Mines Quarterly, v. 68, no. 2, p. 81-94.

- ----1977, Assay of oil shale cuttings and cores, P.R. Spring and Hill Creek--Oil impregnated sandstone deposits: Utah Geological and Mineral Survey Report of Investigations 118.
- Ritzma, H.R., and Campbell, J.A., 1979, Bibliography of oil-impregnated rock deposits of Utah: Utah Geological and Mineral Survey Circular 64, 17 p.
- Ritzma, H.R., and Seely, deB.K., 1969, Determination of oil shale potential, Green River Formation, Uinta Basin, northeast Utah: Utah Geological and Mineralogical Survey Special Studies 26, 15 p.
- Roberts, D.B., 1953, Relationship between lithology and microfossils in the lower Tertiary of northeastern Utah: MS thesis University of Minnesota, Minneapolis Minnesota, 51 p.
- Roberts, P.K., 1964, Stratigraphy of the Green River Formation, Uinta Basin, Utah: Salt Lake City, University of Utah, Ph.D. thesis,
- Robinson, W.E., 1979, The origin, deposition, and alteration of the organic material in the Green River shale: Organic Geochemistry vol. 6, p. 205-218.
- Robinson, W.E., and Cook, G.L., 1975, Compositional variations of organic material from Green River oil shale--WOSCO EX-1 core (Utah): U.S. Bureau of Mines Report of Investigations 8017, 40 p.
- Rogers, M.P., 1973, A bibliography of Bureau of Mines publications dealing with oil shale and shale oil: U.S. Bureau of Mines OSRD 69, 55 p.
- Rogers, M.P., 1974, A bibliography of Bureau of Mines publications dealing with oil shale and shale oil, 1917-1974: U.S. Bureau of Mines OSRD 59, 44 p.
- Rowley, P.D., Tweto, Ogden, Hansen, W.R., and Carrara, P.E., 1979, Geologic map of the Vernal 1⁰x2⁰ quadrangle, Colorado, Utah and Wyoming: U.S. Geological Survey Miscellaneous Field Studies Map MF-1163, scale 1:250,000.
- Ruble, T.M., 1996, Geochemical investigations of the mechanisms of hydrocarbon generation and accumulation in the Uinta Basin, Utah: Norman, University of Oklahoma, Ph.D thesis, 333 p.
- Ruble, T.E., Bakel, A.J., and Philp, R.P., 1994, Compound specific isotopic variability in Uinta Basin native bitumens paleoenvironmental implications: Organic Geochemistry, v. 21, p. 661-671.

- Ruble, T.E., Lewan, M.D., and Philp, R.P., 2001, New insights on the Green River petroleum system in the Uinta Basin from hydrous pyrolysis experiments: American Association of Petroleum Geologists Bulletin v. 85, no. 8, p. 1333-1371.
- Ruble, T.E., Lewan, M.D., Philp, R.P., and Boreham, C.J., 2001, Modeling oil generation in the Green River petroleum system, Uinta Basin significance of appropriate experimental kinetic parameters: American Association of Petroleum Geologists Annual Convention, Program with Abstracts, p. A174.
- Ruble, T.E., and Philp, R.P., 1991, Geochemical investigation of native bitumens from the Uinta Basin, Utah, U.S.A.: The Compass, v. 68, p. 135-150.
- ---1994, Uinta Basin Wurtzilite a product of natural vulcanization?: Organic Geochemistry, v. 22, p. 127-136
- ---1998, Stratigraphy, depositional environments and organic geochemistry of source-rocks in the Green River petroleum system, Uinta Basin, Utah, *in* Pitman, J.K., and Carroll, A.R., editors, Modern and Ancient lakes new problems and perspectives: Utah Geological Association Guidebook 26, p. 289-328.
- Ruble, T.E., Philp, R.P., Lewan, M.D., and Mueller, Eric, 1998, Organic geochemical characterization of key source facies in the Green River petroleum system, Uinta Basin, Utah: American Association of Petroleum Geologists Annual Convention Abstract CD ROM.
- Ryder, R.T., Fouch, T.D., and Elison, J.H., 1976, Early Tertiary sedimentation in the western Uinta Basin, Utah: Geological Society of America Bulletin, v. 87, p. 496-512.
- Sabatka, E.F., editor, 1964, Guidebook of the Geology and Mineral Resources of the Uinta Basin, Utah's hydrocarbon Storehouse: Intermountain Association of Petroleum Geologists 13th Annual Field Conference Guidebook, 277 p.
- Sampath, K., and Keighin, C.W., 1982, Factors affecting gas slippage in tight sandstones of Cretaceous age in the Uinta Basin: Journal of Petroleum Technology, v. 34, no. 11, p. 2715-2720.
- Sanberg, P.A., 1975, New interpretation of Great Salt Lake ooids and of ancient non-skeletal carbonate mineralogy: Sedimentology v. 22, p. 497-538.
- Sanborn, A.F., 1971, Possible future petroleum of Uinta and Piceance Basins and vicinity, northeast Utah and northwest Colorado, *in* Future petroleum provinces in the United States, their geology and potential, v. 1: American Association of Petroleum Geologists Memoir 15, p. 489-508.

- Sanborn, A.F., 1981, Potential petroleum resources of northeastern Utah and northwestern Colorado, *in* Epis, Rudy, editor, Western Slope, Colorado; western Colorado and eastern Utah: New Mexico Geological Society Guidebook, no. 32, p. 255-266.
- Sanborn, A.F., and Goodwin, J.C., 1965, Green River Formation at Raven Ridge, Uintah County, Utah: The Mountain Geologist, v. 2, no. 3, p. 109-114.
- Schmitt, L.J., 1987, Annotated bibliography of potential oil shales of the western United States exclusive of the Green River Formation: U.S. Geological Survey Open File Report OF 87-0628, 21 p.
- Schoell, M., Hwang, R.J., Carlson, R.M.K., and Welton, J.E., 1994, Carbon isotopic composition of individual biomarkers in gilsonites (Utah): Organic Geochemistry, v. 21, p. 673-683.
- Scholz, C.A., and Rosendahl, B.R., 1988, Low lake stands in lakes Malawi and Tanganyika, east Africa, delineated with multifold seismic data: Science, v. 240, p. 1645-1648.
- ---1990, Coarse-clastic facies and stratigraphic sequence models from lakes Malawi and Tanganyika, East Africa, *in* Katz, B.J., editor, Lacustrine basin exploration -case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p. 151-168.
- Scholz, C.A., Rosendahl, B.R., and Scott, D.L., 1990, Development of coarse-grained facies in lacustrine rift basins-examples from east Africa: Geology, v. 18, p. 140-144.
- Scholz, C.A., Johnson, T.C., and McGill, J.W., 1993, Deltaic sedimentation in a rift valley lakenew seismic reflection data from Lake Malawi (Nyasa), east Africa: Geology, v. 21, p. 395-398.
- Scott, R.W., Jr., and Pantea, M.P., 1982a, Results of U.S. Geological Survey oil shale core drilling in the eastern Uinta Basin, Red Wash-1 drill hole: U.S. Geological Survey Open-File Report OF 82-0965, 41 p.
- ----1982b, Results of U.S. Geological Survey oil shale core drilling in the eastern Uinta Basin, Utah, Coyote Wash-1 drill hole: U.S. Geological Survey Open-File Report 82-0966, 61 p.
- Seal, O.G., editor, 1957, Guidebook to the Geology of the Uinta Basin: Intermountain Association of Petroleum Geologists 8th Annual Field Conference Guidebook, 224 p.
- Sears, J.D., and Bradley, W.H., 1924, Relations of the Wasatch and Green River Formations in northwestern Colorado and southern Wyoming: U.S. Geological Survey Professional Paper 132C-F, p. 93-107.

- Shade, M.E., and Hansen, D.K., 1992, Drilled sidewall cores aid in interpretation of the Tertiary Wasatch Formation, Natural Buttes field, Utah, *in* Fouch, T.D., Nuccio, V.F., and Chidsey, T.C., Jr., editors, Hydrocarbon and mineral resources of the Uinta Basin, Utah and Colorado: Utah Geological Association Publication 20, p. 193-217.
- Shanley, K.W., and McCabe, P.J., 1994, Perspectives on the sequence stratigraphy of continental strata: American Association of Petroleum Geologists Bulletin, v. 78, no. 4, p. 544-568.
- Sharma, M.M., and Wunderlich, R.W., 1986, The alteration of rock properties due to interactions with drilling fluid components: Society of Petroleum Engineers Paper 14302.
- Smith, J.D., 1984, Measured stratigraphic sections from the Tertiary Colton and basal Green River Formations, Emma park, Carbon, Duchesne, and Utah Counties, Utah: Brigham Young University Geology Department Open-File Report 84-1, 78 p.
- Smith, J.D., 1986, Depositional environments of the Tertiary Colton and Basal Green River Formation in Emma Park, Utah: Brigham Young University Geology Studies v. 33 pt. 1, p. 135-174.
- Smith, J.W., and Robb, W.A., 1966, Ankerite in the Green River Formation's Mahogany Zone: Journal of Sedimentary Petrology, v. 36, p. 486-490.
- Smith, J.W., and Stanfield, K.E., 1964, Oil yields and properties of Green River oil shales in the Uinta Basin, Utah, in Intermountain Association of Petroleum Geologists Guidebook, 13th Annual Field Conference, p. 213-221.
- Smith, J.W., Thomas, H.E., and Trudell, L.G., 1968, Geologic factors affecting density logs in oil shale, *in* Society of Professional Well Log Analysts Logging Symposium, 9th Annual, New Orleans, Louisiana, 1968, Transaction: Houston, Texas Society of Professional Well Log Analysts, p. p1-p17.
- Smith, J.W., Trudell, L.G., and Robb, W.A., 1972, Oil yields and characteristics of Green River Formation oil shales at WOSCO-EX-1, Uintah County, Utah: U.S. Bureau of Mines Report of Investigations 7693, 150 p.
- Smith, M.A., 1990, Lacustrine oil shale in the geologic record, *in* Katz, B.J., editor, Lacustrine basin exploration -case studies and modern analogs: American Association of Petroleum Geologists Memoir 50, p. 43-60.
- Smith, M.C., 1981, Structure contours and overburden on the top of the Mahogany bed, Green River Formation, in the eastern part of the Uinta Basin, Uintah, Duchesne, and Carbon Counties, Utah, and Rio Blanco County, Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1311, scale 1:126,720.

- Smith, M.C., 1990, Bibliography of the geology of the Green River Formation, Colorado, Utah, and Wyoming, to July, 1990: U.S. Geological Survey Open-File Report 90-486, 1 diskette.
- Smith, R.S., 1980, A regional study of joints in the northern Piceance Basin, northwest Colorado: Colorado School of Mines, Golden. M.S. thesis, 126 p.
- Smith, R.S., and Whitney, J.W., 1979, Map of joint sets and airphoto lineaments of the Piceance Creek basin, northwestern Colorado: U.S. Geological Survey Miscellaneous Field Studies Map MF-1128.
- Smoot, J.P., 1978, Origin of the carbonate sediments in the Wilkins Peak Member of the Green River Formation (Eocene), Wyoming, U.S.A., *in* Matter, A., and Tucker, M.F., editors, Modern and ancient lake sediments: International Association of Sedimentologists Special Publication 2, p. 109-127.
- Smouse, DeForrest, 1993, Altamont-Bluebell, *in* Hill, B.G., and Bereskin, S.R., editors, Oil and gas fields of Utah: Utah Geological Association Publication 22, unpagenated.
- Spath, J.B., Erdal, Ozkan, and Raghavan, Rajagopal, 1994, An efficient algorithm for computation of well responses in commingled reservoirs: Society of Petroleum Engineers Formation Evaluation, v. 9, no. 2, p. 115-121.
- Spencer, C.W., 1987, Hydrocarbon generation as a mechanism for overpressuring in Rocky Mountain region: American Association of Petroleum Geologists Bulletin, v. 71, no. 4, p. 368-387.
- Spencer, C.W., and Wilson, R.J., 1988, Petroleum geology and principle exploration plays in the Uinta-Piceance-Eagle Basins province, Utah and Colorado: U.S. Geological Survey Open-File Report 88-450-G, 35 p.
- Stanfield, K.E., Smith, J.W., and Trudell, L.G., 1964, Oil yields of sections of Green River oil shale in Utah, 1952-62: U.S. Bureau of Mines Report of Investigations 6420, 217 p.
- Stanley, K.O., and Collinson, J.W., 1979, Depositional history of Paleocene Lower Flagstaff Limestone and coeval rocks, Central Utah: American Association of Petroleum Geologists Bulletin, v. 63, no. 3, p. 311-323.
- Stanley, K.O., and Surdam, P.C., 1978, Sedimentation on the front of Eocene Gilbert-type deltas, Washakie Basin, Wyoming: Journal of Sedimentary Petrology, v. 48, p. 557-573.
- Stearns, D.W., and Friedman, Melvin, 1972, Reservoirs in fractured rocks, *in* King, R.E., editor, Stratigraphic oil and gas fields classification, exploration methods, and case histories: American Association of Petroleum Geologists Memoir 16, p. 82-106.

- Stowe, Carlton, 1972, oil and gas production in Utah to 1970: Utah Geological and Mineralogical Survey Bulletin 94, 179 p.
- Strangway, D.W., and McMahon, B.E., 1973, Paleomagnetism of annually banded Eocene Green River sediments: Journal of Geophysical Research, v. 78, no. 23, p. 5237-5245.
- Strecker, Uwe, Steidtmann, J.R., and Smithson, S.B., 1999, A conceptual tectonostratigraphic model for seismic facies migrations in a fluvio-lacustrine extensional basin: American Association of Petroleum Geologists Bulletin v. 83, no. 1, p. 43-61.
- Street-Perrot, F.A., and Harrison, S.P., 1985, Lake levels and climate reconstruction, *in* Hecht, A.D., editor, Paleoclimate analysis and modeling: New York, John Wiley, p. 291-340.
- Surdam, R.C., and Stanley, K.O., 1979, Lacustrine sedimentation during the culminating phase of Eocene lake Gosiute, Wyoming (Green River Formation): Geological Society of America Bulletin, Part 1, v. 90, p. 93-110.
- ---1980, Effects of changes in drainage-basin boundaries on sedimentation in Eocene Lakes Gosiute and Uinta of Wyoming, Utah and Colorado: Geology, v. 8, no. 3, p. 135-139.
- Surdam, R.C., and Wolfbauer, C.A., 1973, The Green River Formation, Wyoming; a playa-lake complex: Geological Society of America Bulletin, v. 86, no. 3, p. 335-345.
- Swain, F.M., 1956, Early Tertiary ostracod zones of Uinta Basin *in* Peterson, J.A., editor, Geology and Economic Deposits of East Central Utah: Intermountain Association of Petroleum Geologists Seventh Annual Field Conference, p. 125-139.
- Sweeney, J.J., Burnham, A.K., and Braun, R.L., 1987, A model of hydrocarbon generation from type I kerogen application to Uinta Basin, Utah: American Association of Petroleum Geologists Bulletin, v. 71, no. 8, p. 967-985.
- Szantat, A.W., 1990, Paleohydrology and paleomorphology of Early Eocene Green River channel sandstones, Uinta Basin, Utah: Fort Collins, Colorado State University, M.S. Thesis, 109 p.
- Tanner, W.F., 1971, Numerical estimates of ancient waves, water depth and fetch: Sedimentology, v. 16, p. 71-88.
- Taylor, A.W., and Ritts, B.D., 2002, Detailed facies architecture, sedimentology, and reservoir characterization of lacustrine rocks, Eocene Green River and Colton Formations, Uinta Basin, Utah: American Association of Petroleum Geologists Annual Convention Official Pogram with abstracts [abs.], vol 11, p. A174.

- Tettenhorst, R., and Moore, G.E., Jr., 1978, Stevensite oolites from the Green River Formation of central Utah: Journal of Sedimentary Petrology, v. 48, no. 2, p. 587-594.
- Thompson, D.M., 1988, Determining reservoir quality, distribution, and continuity in complex lacustrine margin sandstones, Red Wash (main area), Uintah County, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 72, p. 253.
- Thompson, W.D., 1971, Stratigraphy of black shale facies of Green River Formation (Eocene), Uinta Basin, Utah: University of Utah, Salt Lake City, Utah, Masters thesis.
- Tidwell, W.L., and Baijal, S.K., 1985, Taking a second look may prevent bypassed reserves: World Oil, Nov., p. 61-62.
- Tissot, B., Deroo, G., and Hood, A., 1978, Geochemical study of the Uinta Basin formation of petroleum from the Green River Formation: Geochimica et Cosmochimica Acta, v. 42, p. 1469-1485.
- Toney, J.B., and Speights, J.L., 1985, Coring, part 6 sidewall operations: World Oil, Aug. 1, p. 29-36.
- Tripp, C.N., 1995, Reservoir characterization of potential targets for horizontal drilling in the Tertiary Green River and Wasatch Formations, Bluebell field, Uintah County, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 79, no. 6, p. 925-926.
- Trudell, L.G., Mason, G.M., Smith, J.W., and Beard, T.N., 1982, Utah's principal oil shale resources in the Uinta Basin, in Gary, J.H., ed., Oil Shale Symposium Proceedings, 15th: Colorado School of Mines Press, p. 38-49.
- Tuttle, R.N., 1983, High-pour-point and asphaltic crude oils and condensates: Journal of Petroleum Technology, June, p. 1192-1196. (First presented at the 1982 International Petroleum Exhibition and Technical Symposium Paper SPE 10004).
- Tuttle, M.L., 1991, Geochemistry, biogeochemical, and sedimentological studies of the Green River Formation, Wyoming, Utah, and Colorado: U.S. Geological Survey Bulletin 1973, 11 p.
- Tuttle, M.L. and Goldhaber, M.B., 1991, Sulfur geochemistry and isotropy of the Green River Formation, Wyoming, Utah, and Colorado, *in* Tuttle, M.L., editor, Geochemical, biogeochemical, and sedimentological studies of the Green River Formation, Wyoming, Utah, and Colorado: U.S. Geological Survey Bulletin 1973-B, p. B1-B20.

- Tweto, Ogden, 1975, Laramide (Late Cretaceous-early Tertiary) orogeny in the southern Rocky Mountains, *in* Curtis, B.F., editor, Cenozoic history of the southern Rocky Mountains: Geologic Society of America Memoirs 144, p. 1-44.
- Untermann, G.E., and Untermann, B.R., 1968, Geology of Uintah County: Utah Geological and Mineralogical Survey Bulletin 72, 98 p.
- Van West, F.P., 1972, Green River oil shale, in Geologic atlas of the Rocky Mountain region: Denver, Colorado, Rocky Mountain Association of Geologists, p. 287-289.
- Verbeek, E.R., and Grout, M.A., 1993, Structural evolution of gilsonite dikes, eastern Uinta Basin, Utah, *in* Fouch, T.D., Nuccio, V.F., and Chidsey, T.C., editors, Hydrocarbon and mineral resources of the Uinta Basin, Utah: Utah Geological Association Guidebook 20, p. 237-255.
- ---1984, Fracture studies in Cretaceous and Paleocene strata in and around the Piceance basin, Colorado preliminary results and their bearing on a fracture-controlled natural-gas reservoir at the MWX site: U.S. Geological Survey Open-File Report 84-156, 30 p.
- Wanty, R.B., Pitman, J.K., and Fouch, T.D., 1991, Ground-water chemistry and diagenetic reactions in Tertiary sandstones of the Green River and Wasatch Formations, Uinta Basin, Utah: U.S. Geological Survey Bulletin 1787-X, 21 p.
- Webb, M.G., 1978, Reservoir description, Kf Sandstone, Red Wash field, Utah, *in* Proceedings, Society of Petroleum Engineers Improved Oil Recovery Symposium: Society of Petroleum Engineers Paper 7046, p. 97-101.
- Weiss, M.P., Witkind, I.J., and Cashion, W.B., 1990, Geologic map of the Price 30' X 60' quadrangle, Carbon, Duchesne, Uintah, Utah, and Wasatch Counties, Utah: U. S. Geological Survey Miscellaneous Investigations Series Map I-1981, 1:100,000.
- Wegner, MaryBeth, 1995, Facies analysis of well cores from the lower Green River Formation, Bluebell field, Uinta Basin, Utah: implications for identifying highly productive zones: Physical and Mathematical Sciences and the Central Utah Section of the American Chemical Society Ninth Annual Spring Research Conference Program with Abstracts.
- ---1996, Core analysis and description as an aid to hydrocarbon production enhancement Lower Green River and Wasatch Formations, Bluebell field, Uinta Basin, Utah: Provo, Brigham Young University, M.S. thesis, 233p.

- Wegner, MaryBeth, Garner, Ann, and Morris, T.H., 1995, Reservoir characterization through facies analysis of core and outcrop of the lower Green River Formation-hydrocarbon enhancement in the Altamont-Bluebell field, Uinta Basin, Utah (abstract): American Association of Petroleum Geologists Bulletin, v. 79, no. 6, p. 926-927.
- Wells, L.F., 1958, Petroleum occurrence in the Uinta Basin, *in* Weeks, L.G., editor, Habitat of oil-A symposium: American Association of Petroleum Geologists, p. 344-365.
- Wells, N., 1983, Carbonate deposition, physical limnology and environmentally-controlled chert formation in Paleocene-Eocene Lake Flagstaff, central Utah: Sedimentary Geology v. 35, p. 263-296.
- Wesley, J.B., 1990, Finite difference modeling of present day overpressures maintained by hydrocarbon generation, and regional fluid flow in the Green River Formation, Uinta Basin, Utah: Colorado School of Mines, Golden, M.S. thesis T-3826, 139 p.
- Whittier, W.H., and Becker, R.C., 1962, Geologic maps and sections of the bituminous sandstone deposits in the P.R. Springs area, Grand and Uintah Counties, Utah: U.S. Geological Survey Open-File Report 1 p.
- Wiggins, W.D., and Harris, P.M., 1994, Lithofacies depositional cycles, and stratigraphy of the lower Green River Formation, southwestern Uinta Basin, Utah, *in* Lomando, A.J., Schreiber, B.C., and Harris, P.M., editors, Lacustrine Reservoirs and Depositional Systems: SEPM Core Workshop No. 19, p. 105-141.
- Wiley, D.R., 1967, Petrology of bituminous sandstone in the Green River Formation, southeastern Uinta Basin, Utah: Utah University unpublished Masters thesis, 69 p.
- Willet, S.D., 1988, Spatial variation of temperature and thermal history of the Uinta Basin: Salt Lake City, University of Utah, Ph.D thesis, 121 p.
- Willett, S.D., and Chapman, D.S, 1987, Analysis of temperatures and thermal processes in the Uinta Basin, *in* Beaumont, C., and Tankard, A.J., editors, Sedimentary basins and basinforming mechanisms: Canadian Society of Petroleum Geologists Memoir 12, p. 447-461.
- Williams, M.D., 1950, Tertiary stratigraphy of the Uinta Basin: Utah Geological Society Guidebook to the Geology of Utah, no. 5, p. 102-114.
- Williams, R.A., 1993, Play analysis and stratigraphic position of Uinta Basin Tertiary-age oil and gas fields (abstract): American Association of Petroleum Geologists Bulletin, v. 77, no. 8, p. 1464.

- Williamson, C.R., 1972, Carbonate petrology of Green River Formation (Eocene), Utah and Colorado: Utah University Master Thesis, 77 p.
- Williamson, C.R., and Picard, M.D., 1974, Petrology of carbonate rocks of the Green River Formation (Eocene): Journal of Sedimentary Petrology, v. 44, no. 4, p. 738-759.
- Winston, Don, 1998, Ephemeral mud beaches on oolitic sand flats, southeast margin of the Great Salt Lake, Utah: American Association of Petroleum Geologists Annual Convention Abstract CD ROM.
- Witkind, I.,J., 1988, Geologic map of the Huntington 30' X 60' quadrangle, Carbon, Emery, Grand, and Uintah Counties, Utah: U. S. Geological Survey Miscellaneous Investigations Series Map I-1764, 1:100,000.
- Witkind, I.,J., 1995, Geologic map of the Price 1° X 2° quadrangle, Utah: U. S. Geological Survey Miscellaneous Investigations Series Map I-2462, 1:250,000.
- Wolfbauer, C.A., and Surdam, R.C., 1974, Origin of nonmarine dolomite in Eocene Lake Gosiute, Green River Basin, Wyoming: Geological Society of America Bulletin, v. 85, no. 11, p. 1733-1740.
- Wood, J.A., 1985, Oil shale development, Uinta Basin, in Picard, M.D., ed., Geology and energy resources, Uinta Basin of Utah: Utah Geological Association Publication no. 12, p. 225-226.
- Wood, R.E., and Ritzma, H.R., 1972, Analysis of oil extracted from oil-impregnated sandstone deposits in Utah: Utah Geological and Mineralogical Survey Special Studies 39, 74 p.
- Xue, L., and Galloway, W.E., 1993, Genetic sequence stratigraphic framework, depositional style, and hydrocarbon occurrence of the Cretaceous QYN Formation in the Songliao lacustrine basin, northeastern China: American Association of Petroleum Geologists Bulletin, v. 77, p. 1792-1808.
- Yang, Hong, 2000, The Shanwang Basin (Miocene) in Shandong Province, eastern China, *in* Gierlowski-Kordesch, E.H., and Kelts, K.R., editors, Lake basins through space and time: American Association of Petroleum Geologists Studies in Geology no. 46, p. 473-480.
- Yen, Fu-Su, 1974, Correlation of tuff layers in the Green River Formation, Utah, using biotite compositions: Utah University Masters thesis,
- Yen, Fu-Su, and Goodwin, J.H., 1976, Correlation of tuff layers in the Green River Formation, Utah, using biotite compositions: Journal of Sedimentary Petrology, v. 46, no. 2, p. 345-354.

- Yen, T.F., editor, 1976, Science and technology of oil shale: Ann Arbor Science Publishers, Inc., Ann Arbor, Michigan, 226 p.
- Yen, T.F., and Chilingarian, G.V., editors, 1976, Oil shale: Elsevier Science Publishing Company, Amsterdam, Netherlands, 292 p.
- Zanzon, H.A., 1980, A joint analysis of oil shale with implications on mine design, Uinta Basin, Utah: Colorado School of Mines M.S. thesis, Boulder,
- Zawiskie, J., Chapman, D., and Alley, R., 1982, Depositional history of the Paleocene-Eocene Colton Formation, north central Utah, *in* Nielson, D.L., editor, Overthrust belt of Utah: Utah Geological Association Publication 10, p. 273-284.